

19991003.qrp v01_n597.qrl.991003

Date: Sun, 3 Oct 1999 19:03:09 EDT

From: qrp-l@Lehigh.EDU

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: QRP-L digest 1597

QRP-L Digest 1597

Topics covered in this issue include:

- 1) [52031] Re: NorCal Doublet ideas
by "Bob Follett" <bfollett@ditell.com>
- 2) [52032] Re: Surplus Rigs
by Robert McConnell <rmcconne@lightlink.com>
- 3) [52033] Re: Extra WWVB Clocks
by "Rod Cerkoney" <rwc@frii.com>
- 4) [52034] OT: A personal accomplishment
by lenny wintfeld <w2bvh@home.com>
- 5) [52035] Re: Updated Modified MRX40/TT2 Schematic
by "KA5T Larry Wise" <lewise@inetport.com>
- 6) [52036] Re: JPS ANC-4
by "William R. Colbert" <af852@rgfn.epcc.edu>
- 7) [52037] Re: OT: A personal accomplishment
by "Chuck Carpenter" <w5usj@globeco.net>
- 8) [52038] Re: JPS ANC-4
by "Chuck Carpenter" <w5usj@globeco.net>
- 9) [52039] Touch Sensitive Key(ER)
by william h ross <k6mgo@juno.com>
- 10) [52040] Re: A personal accomplishment
by "John J. McDonough" <jjmcd@tm.net>
- 11) [52041] Red Face!
by "John J. McDonough" <jjmcd@tm.net>
- 12) [52042] Re: Norcal log books.....???
by Russ Dow <n7dw@garlic.com>
- 13) [52043] QRP PSK31
by "George T. Baker" <w5yr@swbell.net>
- 14) [52044] OT: Fluke 931AB Diff Voltmeter
by Michael Melland <badger@vbe.com>
- 15) [52045] Re: OT: A personal accomplishment
by "The One and Only!" <mitch96@pobox.com>
- 16) [52046] QRP tube transceiver or xmtr
by ArtP721466@aol.com
- 17) [52047] RE: QRP PSK31
by "ai2q" <ai2q@ispchannel.com>
- 18) [52048] RE: QRP tube transceiver or xmtr
by "ai2q" <ai2q@ispchannel.com>
- 19) [52049] Re: Modified MRX-40/TT2

- by "KA5T Larry Wise" <lewise@inetport.com>
- 20) [52050] The fun begins tomorrow morning (Sunday Oct 3) at 7:00am
by "John Burnley" <burnleyia@home.com>
- 21) [52051] Re: Updated Modified MRX40/TT2 Schematic
by Jim Larsen AL7FS <al7fs@pobox.alaska.net>
- 22) [52052] Trapped radials for 20/15/10 meter vertical
by wa4dou@juno.com
- 23) [52053] Re: Updated Modified MRX40/TT2 Schematic
by Dave Fifield <fifield@pacbell.net>
- 24) [52054] FS: Autek QF-1A Filter
by osier <osier@northnet.org>
- 25) [52055] run for KUDZU'99
by Bob Edwards <w4ed@gis.net>
- 26) [52056] Many thanks !!!
by osier <osier@northnet.org>
- 27) [52057] Re: JPS ANC-4
by Pete Burbank <plburbank@kih.net>
- 28) [52058] Fw: Re: Touch Sensitive Key(ER)
by william h ross <k6mgo@juno.com>
- 29) [52059] Trapped radials for 20-15-10
by wa4dou@juno.com
- 30) [52060] Re: OT: A personal accomplishment
by David Hinerman <dlh1009@ritvax.isc.rit.edu>
- 31) [52061] New Indoor Loop/1000 Mi per Watt QSO
by WB9MII@aol.com
- 32) [52062] Parts ID-sarcasm-don't read
by Pete Burbank <plburbank@kih.net>
- 33) [52063] Antenna Testing Proposal (long)
by David Gauding <david.gauding@bbs.galilei.com>
- 34) [52064] Re: Y2K - Taking Advantage
by "Richard Arland" <r_arland@hotmail.com>
- 35) [52065] Arrgh!! labeling
by Pete Burbank <plburbank@kih.net>
- 36) [52066] K2 SSB x2 at NorCal Meeting Sunday
by Eric Swartz WA6HHQ - Elecraft <erics@elecraft.com>
- 37) [52067] Re: 4k7 or 4.7k
by "John Fletcher" <johnf@innotts.co.uk>
- 38) [52068] Re: 4k7 or 4.7k
by "Ian C. Purdie VK2TIP" <ianpurdie@integritynet.com.au>
- 39) [52069] Beacon test results - N2CQR
by Bill Meara <n2cqr@erols.com>
- 40) [52070] Beacons (10Metres) N2CQR
by "Colin" <gw3wsu@gw8nnc.screaming.net>
- 41) [52071] Signal Generator
by "Ted Williams" <tedw@btinternet.com>
- 42) [52072] Re: Solar Panel Controller
by "Jean Jibouleau" <jiboulj@globetrotter.net>
- 43) [52073] Re: 4k7 or 4.7k

- by Pete Burbank <plburbank@kih.net>
- 44) [52074] Tube Kit transmitters
by charles k brown <n4so@juno.com>
- 45) [52075] Fusing Ground Leads
by "Ed Manuel (N5EM)" <n5em@flash.net>
- 46) [52076] WTB: Drake 2BQ
by "Ed Manuel (N5EM)" <n5em@flash.net>
- 47) [52077] Re: 4k7 or 4.7k<GGGG>
by "Robert Roach" <ke4qok@worldnet.att.net>
- 48) [52078] Re: Arrgh!! labeling
by "John J. McDonough" <jjmcd@tm.net>
- 49) [52079] INDEX LAB COMPANION
by ARDUJENSKI@aol.com
- 50) [52080] JPS ANC-4 factory suggested QRP mods
by PDouglas12@aol.com
- 51) [52081] C.M.HOWES KITS
by ARDUJENSKI@aol.com
- 52) [52082] Re: Fusing Ground Leads
by "Nick Kennedy" <nkennedy@cswnet.com>
- 53) [52083] Re: JPS ANC-4 factory suggested QRP mods
by "Chuck Carpenter" <w5usj@globeco.net>
- 54) [52084] T-R switch
by "Alex" <aturner13@mindspring.com>
- 55) [52085] C. M. Howes Communications Kits
by charles k brown <n4so@juno.com>
- 56) [52086] Re: 4k7 or 4.7k
by Lee Bahr <bahr521@earthlink.net>
- 57) [52087] PIN-diode TR Switch
by charles k brown <n4so@juno.com>
- 58) [52088] Up grading and "spare" radios.
by "The One and Only!" <mitch96@pobox.com>
- 59) [52089] Cal QSO Party
by K10J <k10j@ditdit.com>
- 60) [52090] Re: 4k7 or 4.7k
by "Radman" <radman@best.com>
- 61) [52091] MRX schematic
by mikemo@attglobal.net
- 62) [52092] Re: New Indoor Loop/1000 Mi per Watt QSO
by "Mike =?ISO-8859-1?Q?N=D8WDM"?= <michaelbstjames@email.msn.com>
- 63) [52093] PSK31- V1.08
by John R Kirby <n3aaz-qrp@juno.com>
- 64) [52094] CONGRATULATIONS Lenny, W2BVH
by John R Kirby <n3aaz-qrp@juno.com>
- 65) [52095] Re: 4k7 or 4.7k
by Roger Hightower <n7kt@earthlink.net>
- 66) [52096] Re: 4k7 or 4.7k
by "Robert M. Ganter" <hb9dnn@gmx.net>
- 67) [52097] Re: QRP tube transceiver or xmtr

by "William R. Colbert" <af852@rgfn.epcc.edu>
68) [52098] Re: Fusing Ground Leads
by semann@tcia.net (Steven Mann)
69) [52099] Re: Touch Sensitive Key(ER)
by Russ Hines <radioruss@fuse.net>
70) [52100] Gooch's Theorem [Was Re:New Loop Antenna...]
by w4pj@w4bkx.ampr.org
71) [52101] Re: 4k7 or 4.7k
by GElam30092@aol.com
72) [52102] Re: Touch Sensitive Key(ER)
by wa8rxi@juno.com
73) [52103] Re: New End Fez Zepp results
by wa8rxi@juno.com
74) [52104] Re: Norcal log books.....???
by wa8rxi@juno.com
75) [52105] Re: 4k7 or 4.7k
by wa8rxi@juno.com
76) [52106] Re: WTB: Drake 2BQ
by wa8rxi@juno.com
77) [52107] WTT:QRP Rigs for PC
by Ken Edwards <ken.edwards@oit.gatech.edu>
78) [52108] (no subject)
by W8IRQ@aol.com
79) [52109] Re: Fusing Ground Leads
by "Mike Yetsko" <myetsko@insydesw.com>
80) [52110] OT - S-100 ram board
by n5ib@juno.com
81) [52111] Re: Arrgh!! labeling
by "John Moriarity" <k6qq@hdo.net>
82) [52112] Re: OT - S-100 ram board
by Terry Bendell <terryb@bmts.com>
83) [52113] Re: RFI: RTTY Stations on/near 7040
by Anita och Lars Olsson <anita.lars.olsson@telia.com>
84) [52114] Re: RFI: RTTY Stations on/near 7040
by Anita och Lars Olsson <anita.lars.olsson@telia.com>
85) [52115] OT: Many thanks (OT: A personal accomplishment) - long
by lenny wintfeld <w2bvh@home.com>
86) [52116] Free Toroid Design Software!!
by "Jerry Henshaw" <jhenshaw@bellsouth.net>
87) [52117] Re: Free Toroid Design Software!! WRONG URL!!
by "Jerry Henshaw" <jhenshaw@bellsouth.net>
88) [52118] K7QO's E-Mail Address ???
by Bruce Hopkins - KL7H <kl7h@arrl.net>
89) [52119] Re: 4k7 or 4.7k
by "Ian C. Purdie VK2TIP" <ianpurdie@integritynet.com.au>
90) [52120] K7QO Info - Thanks...
by Bruce Hopkins - KL7H <kl7h@arrl.net>
91) [52121] Re: Free Toroid Design Software!! WRONG URL!!

- by "Ian C. Purdie VK2TIP" <ianpurdie@integritynet.com.au>
92) [52122] Newbie SWR Question..
by "The Hansons" <hansfam@midcoast.com>
93) [52123] Fun mWatt Weekend
by Larry Cahoon <wd3p@juno.com>
94) [52124] CA QSO Party
by Michael <moreth@ix.netcom.com>
95) [52125] Re: Newbie SWR Question..
by David Hinerman <dlh1009@ritvax.isc.rit.edu>
96) [52126] Thanks
by "Perley Urquhart" <n1yuk@nemaine.com>
-

Date: Sat, 2 Oct 1999 17:01:26 -0600
From: "Bob Follett" <bfollett@ditell.com>
To: "QRP-L Group" <qrp-l@lehigh.edu>, <skousen@srv.net>
Subject: [52031] Re: NorCal Doublet ideas
Message-ID: <00b201bf0d2b\$4ab9ab20\$cd37b3cf@bfollett>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi Neil & Gang:

<<. Bob Follet did a
great job several years ago, check the archives. In a nutshell - the ZM-2
(isn't that what your using Doug ?) is very near the top, and when
bang-4-buck is factored in, its a winner.>>

I like publicity too :-). But it wasn't me that spent all that time
designing and running tuner tests! Proper credit goes to Bob Kellogg! All
I ever did is publish errata and a collection of suggestions on building the
NorCal SL Tuner. Ummmm, maybe sometime I could come up with some conversion
instructions to make it into a more efficient Z-match.

Back to SLV Doublet ideas.... It seems to me, that the biggest problem with
the SLV pole is lateral forces. The downward problem is typically pole
section collapse. I highly suggest trying a variation of Doug's design
using lightweight, twinlead for feed, cutting windows if you have the time,
and using the ribbon cable as a source for only the dipole material. Or,
for one-time in-the-field locations, use magnet wire. Its easy to un-roll
and cut, but not too swift to re-pack it. Just wad it up and toss it when
done.

To solve the downward force/pole collapse problems, use a touch of black
tape on the troublesome joints (you always have a roll of that stuff in you

back pocket when doing antenna work, don't you?)

For those of you still wanting an excellent vertical antenna with the SLV pole, it CAN be done for 20M. Forget the parallel conductor stuff -- just use heavier gage wire, make a resonant vertical section, and three or four matching radials, terminate into a coax connector. Now, the key: mount the pole on at least a 5' wood dowel with the now ubiquitous gutter spike. You don't need a big spike, as you are going to use the radials as a counterpoise, maybe about 8' high, slope them to the ground, and then they also become guy wires for the pole. There is little downward pressure on this design above the first telescoping section, so pole collapse should not be a problem. Feed with coax....

For 40M, stay tuned for Dave's experiments with a combination of telescoping aluminum and the SLV mast. With a height of 40', a high-performance portable vertical is possible. (Maybe not one-person setup, however)

My 2 cents, Bob

Bob Follett AB7ST
3133 American Saddler Drive (435) 649 6457
Park City, UT 84060

Date: Sat, 02 Oct 1999 19:37:26
From: Robert McConnell <rmcconne@lightlink.com>
To: SFIKE@twa.com
Cc: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [52032] Re: Surplus Rigs
Message-ID: <3.0.6.16.19991002193726.1b5f0d80@pop.lightlink.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Or you might try finding some youngsters with freshly printed licenses and "loan" out a rig to them. You might even find you enjoy being an elmer.

Bob McConnell
N2SPP

At 06:24 PM 10/1/99 LOC, SFIKE@twa.com wrote:
>Recently, I read a posting about a problem with a QRPer who had built too
>many single band QRP kits, and so, had a surplus on hand and did not know
what
>to do with them all.
>Why not ship the surplus rigs out to some needy third-world, "rare DX" ham so
>YOU can have some "rare QRP DX" to work?!

>I guarantee you, if I was in this predicament, I wouldn't sell them to a local
>ham! I wouldn't even post them for sale here on QRP-L! Out the door they would
>go to a good, needy, "rare DX" home!

>72

>Scott

>

>

Date: Sat, 2 Oct 1999 17:46:49 -0600
From: "Rod Cerkoney" <rlw@frii.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [52033] Re: Extra WWVB Clocks
Message-ID: <00c001bf0d30\$68065520\$0f8611d8@compaq>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

OK Folks:

All the clocks are spoken for, and the Fat Lady has sung. Thanks to
all who participated.

If you did not get in on the group buy and want to have a clock, there
is another venue, MorseX. Marshall Emm is now selling them. Check out
his offering at: <http://www.morsex.com/clock/index.htm>

72/3 Rod, NØRC
da di dah

----- Original Message -----

From: Rod Cerkoney <rlw@frii.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Sent: Friday, October 01, 1999 9:05 PM
Subject: FS: Extra WWVB Clocks

> Folks:

>

> A few weeks ago I organized the group buy for the ARCRON WWVB Travel
Alarms. The

> Group buy is complete but I have seven clocks left (I ordered some
extras). So

> if you want one please let me know via email and I'll hold one until
your check

> arrives. The cost is \$47.05 plus \$3.20 for USPS Priority shipping
> for up to
> three clocks. Send Check or MO to:
>
> Rod Cerkoney, N0RC
> 5000 Boardwalk #39
> Fort Collins, CO 80525
>
> Folks who got one love them, it's really cool to have the EXACT UTC
> time & date
> available for logging & contest starts. It is also small and easy to
> carry on a
> trip, or on one of the QRP to the outdoors type events.
>
> ---
> 72/3 Rod, N0RC
> da di dah
>

Date: Sat, 02 Oct 1999 19:52:59 -0400
From: lenny wintfeld <w2bvh@home.com>
To: qrp-l@lehigh.edu
Subject: [52034] OT: A personal accomplishment
Message-ID: <37F69ADB.1551499@home.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi!

I've been looking to get back in to Ham radio after being off the air since the '70s (my last log entry is dated 5/31/70); I never logged my 2M FM operations and, in any case, I've been off 2M FM since the late '70s.

I've been lurking around this list for about a month now & see almost nothing but warm, helpful and civil communication. What a delight!

Anyway, to the reason for this post: I went Garden State ARA hamfest today with the intention of picking up a few goodies to try and get back on the air and also to take a stab at the Advanced test (I've had a General since '63). I've taken a few Advanced practice tests at QRZ.com and passed more often than failed, so it was easily worth the \$6.45 and an hours time.

Well I passed. And by a wide margin too!! The guys administering the

test talked me into giving the Extra written exam a try with: "C'mon it won't cost any more, just your time" and "Advanced is the real hard one anyway", and "We've seen people pass Extra first time" etc. etc. Well guess what? I passed that one too! (With no margin at all - you need a 74% to pass & I got a 75). I'm really happy that they were so persistent.

By time I finished with the tests, half the vendors had packed up and the other half didn't have much to select from. I got home slightly dazed & told my xyl about the good news. Well she was happy for me but she doesn't really understand what it means. So here I am sharing my good fortune with someone (or some few hundred) who know what it means!

But it looks now like I've got my work cut out for me. With the Extra written passed I'll have to see what I can do now about getting code speed up from what is now (probably) 6-7 wpm. I'm also thinking now that I should get a nice new kit rig instead of haunting the Hamfests - maybe the R2/T2 setup in the "QRP Power" book.

Thanks for your time & 73,

Lenny Wintfeld W2BVH

Date: Sat, 02 Oct 1999 23:58:50 +0100
From: "KA5T Larry Wise" <lewise@inetport.com>
To: "qrp" <qrp-1@lehigh.edu>
Subject: [52035] Re: Updated Modified MRX40/TT2 Schematic
Message-ID: <199910030001.TAA13585@admin.inetport.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

Dave:

Which resistor was left out??? I can't see the difference in the two files???

Larry KA5T

On Sat, 02 Oct 1999 14:49:49 -0700, Dave Fifield wrote:

>Whoops, I left out one resistor. ...

Date: Sat, 02 Oct 1999 18:09:03 -0600
From: "William R. Colbert" <af852@rgfn.epcc.edu>
To: qrp-1@lehigh.edu
Subject: [52036] Re: JPS ANC-4
Message-ID: <37F69E9F.ACEACE54@rgfn.epcc.edu>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Well, I don't have a JPS ANC-4 but I do have a MFJ 1026 noise canceller to try and get my 30 over S9 powerline noise down to a usable level. I have recently found that it too doesn't like to work very well below the 70 milliwatt level, and refuses to even try to work at the 50 milliwatt level. Makes it a bit more difficult to do the QRPpp stuff, but I guess it adds to the challenge. Suggestions for a solution are welcome.

73
Ray
--

"Politicians are like nappies. Both should be changed regularly -- and for the same reason"
"Scotsman - Scotsman's Diary 12/97"

Ray Colbert, W5XE, 00TC 3618, SOWP 1064M NCT2
(also w5xe@juno.com El Paso, (FAR WEST) TEXAS

Date: Sat, 02 Oct 1999 19:14:12 -0500
From: "Chuck Carpenter" <w5usj@globeco.net>
To: w2bvh@home.com, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [52037] Re: OT: A personal accomplishment
Message-ID: <3.0.2.32.19991002191412.007dcde0@bosshog.globeco.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="iso-8859-1"
Content-Transfer-Encoding: quoted-printable

Hi Lenny,

Congrats =97 that's the way to do it.

Check out the new IC706MKIIG. Just got one and it's a great rig. It's Y2K compliant too. It has lots of great features and the one I have gets down to 3 Watts at the low power setting for QRP operation. You can use it for a base station and it's compact and easily made portable or mobile. I like its many features to the extent that I could make it my base station even though I bought it to be a mobile unit. The menus are a bit complex at first and I would prefer to have 6 meters available on the VHF/UHF antenna connector rather than the HF antenna connector (I'll use a coax switch). All in all, it's a great little rig though and it doesn't take up much space in the shack.

Chuck Carpenter, EM22cv, Point, Rains County, Texas

Date: Sat, 02 Oct 1999 19:16:53 -0500
From: "Chuck Carpenter" <w5usj@globeco.net>
To: af852@rgfn.epcc.edu, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [52038] Re: JPS ANC-4
Message-ID: <3.0.2.32.19991002191653.007d74a0@bosshog.globeco.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Hi Ray,

If I could get the ANC-4 to work at even 100 mW I'd find that acceptable. JPS suggested using a diode to pull the switching relay with a connection to ground. Maybe something like that would work with the MFJ.

Chuck Carpenter, EM22cv, Point, Rains County, Texas

Date: Sat, 2 Oct 1999 17:20:04 -0700
From: william h ross <k6mgo@juno.com>
To: qrp-1@Lehigh.EDU
Subject: [52039] Touch Sensitive Key(ER)
Message-ID: <19991002.172005.-92139.0.k6mgo@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

In C3YCC's QRP Web Site, he show a schematic for a touch sensitive keyer using CA3140.

There is a resistor in the ckt. Marked "4K7". Is this supposed to be a 47K or a 4.7K resistor?

Anyone know?

Thanks in advance and 73

Bill, K6MGO

Date: Sat, 2 Oct 1999 20:26:37 -0400
From: "John J. McDonough" <jjmcd@tm.net>
To: <w2bvh@home.com>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [52040] Re: A personal accomplishment
Message-ID: <00eb01bf0d35\$fa24b280\$010044c0@conor-mac-nessa>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Congratulations, Larry!

Now you're going to have to get on the air to get that speed up :-)) You'll see the same gang you see on this list on the air. It amazes me how often I bump into a familiar call around 14.060 or 7.040.

Something else has changed a lot since the 70's - parts are a lot easier to come by. Sure, some things are still easiest to find at the hamfests, and besides, who could resist the urge to paw through all that good junk. But if you want to build something sans kit, the internet has made the parts a lot easier to find.

Dan's Small Parts and Kits (<http://www.fix.net/dans.html/>) generally has the best prices - *IF* he has what you need. Since he only does business by snail mail, he tends to be a longer wait - generally about 2 weeks by the time the mail makes the round trip. DigiKey (<http://www.digikey.com/>) has just about everything except RF-specific stuff (toroids, varactors, RF power transistors). You can give them a credit card number over the phone or the net and be playing with your parts in two days, one day if you're willing to pay premium shipping. They tend to be a little steep for controls, so it's better to get those at Dan's if possible, but for everything else their prices are pretty decent. Once in a while, MECI (<http://www.meci.com/>) or BG Micro (<http://www.bgmicro.com/>) has what you need. In either case, the selection is spotty and so is the quality, but generally the price is right.

So if something in QRP Power tickles your fancy, have at it. Ain't nothing better than a late night CW QSO on a homebrew rig! And don't forget, the QRP foxhunt season is coming up.

Oh, and take a peek at <http://www.qsl.net/wb8rcr/2N2-40.htm> ;-) Still time

to get one of those nice certificates from WJ2V!

72/73 de WB8RCR <http://www.qsl.net/wb8rcr/>
didileydadidah QRP-L #1446 Code Warriors #35

-----Original Message-----

From: lenny wintfeld <w2bvh@home.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Date: Saturday, October 02, 1999 7:55 PM
Subject: OT: A personal accomplishment

Date: Sat, 2 Oct 1999 20:29:11 -0400
From: "John J. McDonough" <jjmcd@tm.net>
To: <w2bvh@home.com>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [52041] Red Face!
Message-ID: <00fc01bf0d36\$547f7ee0\$010044c0@conor-mac-nessa>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Sorry Lenny,

Read your name twice, once in the header and once at the end, and still
couldn't get it right!

Congratulations anyway!

72/73 de WB8RCR <http://www.qsl.net/wb8rcr/>
didileydadidah QRP-L #1446 Code Warriors #35

Date: Sat, 02 Oct 1999 17:32:07 -0700
From: Russ Dow <n7dw@garlic.com>
To: osier@northnet.org
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [52042] Re: Norcal log books.....???
Message-ID: <37F6A407.88D84510@garlic.com>

MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

George, I just checked Wilderness Radio's web page. They have a notice under Accessories that says the minilog / reference is sold out until further notice. It's a nice little log for field use, so I hope they get more soon.

I don't know for sure if that's the same log you're referring to, though. I'll try to remember to check when I go to the NorCal meeting tomorrow.

73,
Russ N7DW

osier wrote:

> Hello All !!!
>
> Just wondering if NORCAL still has the QRP LOGBOOK available????
> Contest season coming up ..will fill up QUICK !!!!!

Date: Sat, 02 Oct 1999 19:38:38 -0500
From: "George T. Baker" <w5yr@swbell.net>
To: qrp-l@Lehigh.EDU
Subject: [52043] QRP PSK31
Message-ID: <37F6A58E.A61D6AE9@swbell.net>
MIME-version: 1.0
Content-type: text/plain; charset=us-ascii
Content-transfer-encoding: 7bit

Just finished an almost 100% PSK31 QSO with Bill K7MT in Helena, Montana on 20 meters. Bill was running 5 watts and was almost perfect copy. He dropped down to 1 watt with another station and was still "readable."

Oh, yeah, he said it is snowing up there!

--

72/73, George AMA 98452 R/C since 1964

Amateur Radio W5YR, in the 54th year and it just keeps getting better!
AutoPOWER Systems, Fairview, TX (30 mi NE Dallas) Collin County

QRP-L QRP-ARCI FISTS NORCAL ZOMBIE ARS 10-X 33.2 N 96.6 W EM13RE

Date: Sat, 02 Oct 1999 19:46:39 -0500
From: Michael Melland <badger@vbe.com>
To: qrp-l@lehigh.edu, heathkit@qth.net
Subject: [52044] OT: Fluke 931AB Diff Voltmeter
Message-ID: <37F6A76E.BC991293@vbe.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Sorry for the off topic post but I thought some of you more "vintage" experimenters - tinkerers could help me out.

I made another nice "find" our local college surplus sale. I purchased a Fluke 931AB RMS Differential Voltmeter in like new condition even in the original 1966 box (but no manual...rats). Never owned one of these before, although I'm somewhat familiar with the principal of operation. I noticed that when I turn it on it makes a sort of a very high pitched audio tone..... seems to be coming from a "can" shaped device inside. Did they use some sort of oscillator in there ? I know that it compares voltage applied to a high accuracy reference voltage inside for measurement but I can't figure out the "whine". Only other problem was the rechargeable batteries inside were old and leaky..... 26 in series of what appear to be "C" cell nicads with no markings but a part number. There were two taps from the batteries..... actually three. Negative, hot and another which I bet was a lesser voltage tap. The power supply switch ? has 28 volts and 16.5 volts listed so I think the battery taps were for these ?. It also operates off line voltage.

Any insight on this nice old meter? Any idea about the battery pack ?

73 de Mike

--
Michael Melland, W9WIS
Winneconne, Wisconsin, USA
FISTS #4387, 10-10 #69281, QRP-L #1656,
QRP-ARCI #9875, AK/QRP #478, NorCal
CW, SSB, and Electronics
List Administrator: grundig@qth.net
<http://www.qsl.net/w9wis>

Date: Sat, 02 Oct 1999 20:48:05 -0400
From: "The One and Only!" <mitch96@pobox.com>
To: w2bvh@home.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [52045] Re: OT: A personal accomplishment
Message-ID: <37F6A7C5.C3ED3A6@pobox.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

lenny wintfeld wrote:

Well guess what? I passed that one too! (With no margin at all - you need a
> 74% to pass & I got a 75). I'm really happy that they were so persistent.

Hey, Congratulation there Len!!

> Well she was happy for me but she doesn't really understand what it means.

Man, CAN I RELATE!! I tell can tell my S0.. or some friends, i worked
Switzerland with 4.5 watts on
cw through qrm and i can see their eyes glaze over, brain goes numb, and, well you
know. So when i do a "happy
dance" after a new accomplishment, i tell the people HERE!

So here I am sharing my good fortune with someone (or some few hundred) who know
what it means!

WRONG, Few thousand!!!!!!!!!!!!!!!!!!!!

73, mitch ww4ml
lost in the ethers again..

Date: Sat, 2 Oct 1999 20:53:37 EDT
From: ArtP721466@aol.com
To: qrp-1@lehigh.edu
Subject: [52046] QRP tube transceiver or xmtr
Message-ID: <9b9cf976.25280311@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

Dedicated QRPer is looking for a source for a tube type QRP transceiver or transmitter. I've looked and looked all over the net and haven't found a kit or plans for sale. Anyone with a lead, please reply directly to:

artp721466@aol.com, aka KB90VS.

72 and be merry

Art

Date: Sat, 2 Oct 1999 20:53:41 -0400
From: "ai2q" <ai2q@ispchannel.com>
To: <w5yr@swbell.net>, "'Low Power Amateur Radio Discussion'" <qrp-1@Lehigh.EDU>
Subject: [52047] RE: QRP PSK31
Message-ID: <000001bf0d39\$bd4b7840\$5c32a7d0@ai2q.ispchannel.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

George:

Your experience reminds me of QRP AMTOR QSOs using my Argonaut 515. The signals would drop off the scope and into the noise, but the print would keep on flowing!

BTW: Does anyone use AMTOR anymore? I know W1AW still uses FEC for bulletin transmissions, which is nothing short of excellent, but I don't hear many ARQ QSOs anymore.

Anyone for a QRP-to-QRP TOR QSO?

Vy 73, AI2Q, Alex in Kennebunk, Maine .-.-.

-----Original Message-----

From: owner-qrp-1@Lehigh.EDU [mailto:owner-qrp-1@Lehigh.EDU] On Behalf Of George T. Baker
Sent: Saturday, October 02, 1999 8:39 PM
To: Low Power Amateur Radio Discussion
Subject: QRP PSK31

Just finished an almost 100% PSK31 QSO with Bill K7MT in Helena, Montana on 20 meters. Bill was running 5 watts and was almost perfect copy. He dropped down to 1 watt with another station and was still "readable."

Oh, yeah, he said it is snowing up there!

--

72/73, George AMA 98452 R/C since 1964
Amateur Radio W5YR, in the 54th year and it just keeps getting better!
AutoPOWER Systems, Fairview, TX (30 mi NE Dallas) Collin County
QRP-L QRP-ARCI FISTS NORCAL ZOMBIE ARS 10-X 33.2 N 96.6 W EM13RE

Date: Sat, 2 Oct 1999 21:04:14 -0400
From: "ai2q" <ai2q@ispchannel.com>
To: <ArtP721466@aol.com>, "'Low Power Amateur Radio Discussion'" <qrp-
l@Lehigh.EDU>
Subject: [52048] RE: QRP tube transceiver or xmtr
Message-ID: <000001bf0d3b\$36bc39c0\$5c32a7d0@ai2q.ispchannel.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi Art:

Check out my design that's on
http://www.qsl.net/n6ev/7awk_616.jpg

Photos of my rig also appeared in "Up Front" in a recent QST.

Vy 73, AI2Q, Alex .-.-.

-----Original Message-----

From: owner-qrp-l@Lehigh.EDU [mailto:owner-qrp-l@Lehigh.EDU] On Behalf Of
ArtP721466@aol.com
Sent: Saturday, October 02, 1999 8:54 PM
To: Low Power Amateur Radio Discussion
Subject: QRP tube transceiver or xmtr

Dedicated QRPer is looking for a source for a tube type QRP transceiver or
transmitter. I've looked and looked all over the net and haven't found a
kit

or plans for sale. Anyone with a lead, please reply directly to:

artp721466@aol.com, aka KB90VS.

72 and be merry

Art

Date: Sun, 03 Oct 1999 01:12:11 +0100
From: "KA5T Larry Wise" <lewise@inetport.com>
To: "qrp" <qrp-1@lehigh.edu>
Subject: [52049] Re: Modified MRX-40/TT2
Message-ID: <199910030110.UAA16692@admin.inetport.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

Dave:

I see that you changed the tt2 final collector transformer from a 14T pri, 7T sec to a 7 turn bifilar.....

It is of interest to some of us why this was done. Can you elaborate????

(always wondered why bifilar are used anyway.... :-)

Larry KA5T

Date: Sat, 2 Oct 1999 20:30:53 -0500
From: "John Burnley" <burnleyia@home.com>
To: <IaQRP-L@divis17.ped-gen.uiowa.edu>
Cc: <qrp-1@lehigh.edu>
Subject: [52050] The fun begins tomorrow morning (Sunday Oct 3) at 7:00am
Message-ID: <001401bf0d3e\$ef225000\$1b790818@c149522-a.west1.ia.home.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

The Iowa QRP Club will have a display table at the West Liberty hamfest on Sunday October 3, 1999 beginning at 7:00 am (if I can roll out of bed at 3:00 am to get there on time hi). Details for the hamfest may be found at:

<http://www.qsl.net/kc0aqs/hamfest.html>

I went last year and had a great time going through the flea

market.

The Iowa QRP Club will be giving away an Elmer 101 issue of QRPp plus a NorCal log book. The goodies were donated by NorCal and my thanks to Doug and company for their continued support.

We will also have available a limited supply of the St. Louis QRP Society audio amp boards. The boards were donated by the St. Louis QRP Society and much thanks to Dave Gauding NFOR for his efforts. First come first serve on the boards (while supplies last).

It's a great little project to put together especially if you are a new builder. If you are new to building then please come and see me.

If you will build it there at the hamfest I'll give you all the board mounted parts free (again while supplies last).

Plus club members will help you build the kit (if needed) there at the hamfest! A special thanks to Jeff Woods (WOODS) for his help in providing the LM380's for the boards. Jeff has also volunteered to bring his soldering station to use at the hamfest. Again my thanks to you Jeff!

The Embedded Research kits will not arrive in time for the hamfest and my apologies to all. We will try and have some available at the Des Moines hamfest on October 31 (our next display event).

However I do have great news. One QRP kit vendor has offered a special deal only for the hamfest. You must come and talk to me at the hamfest for the details, but I will tell you now that it is one of the hottest transceiver kits on the market.

We also will have lots of information on kit vendors available. Milestone Technologies (OHR), Small Wonder Labs, Ten Tec, MFJ, Hands Electronics, and Embedded Research (just to name a few). We will also have info and sample newsletters from NorCal, ARCI, G-QRP, St. Louis QRP Society, CW Operators QRP Club, Northwest QRP Club, and of course the Iowa QRP Club.

The club will also have free hookup wire available for those interested. My employee is redoing some of their Lan wiring and I have a bunch of CAT 5 scraps. The individual wires in the cable make excellent hookup wire for those QRP projects.

We will also have some ARCI goodies for sale (back issues of QQ, mousepads, etc). The XYL tells me this stuff has got to go (out of our basement hi).

Please bring your latest projects for our display table! Your goodies

are what make the display tables a success. The hamfests are a lot of fun and I hope to see you all there tomorrow.

Finally much thanks to Adam Kanis (AK0P) and Jeff Dodd (KI0JP) for their help in making arrangements for us to attend the hamfest!

72, John NU0V

Date: Sat, 02 Oct 1999 17:38:05 -0800
From: Jim Larsen AL7FS <al7fs@pobox.alaska.net>
To: lewise@inetport.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [52051] Re: Updated Modified MRX40/TT2 Schematic
Message-ID: <37F6B37D.5C73D554@pobox.alaska.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Looks like R24 to me. Bottom left of the schematic. I put the two sheets together and held it up to the light and there it was.

Jim

> Which resistor was left out??? I can't see the difference in the two files???
>

--
73, Jim Larsen, AL7FS <http://www.qsl.net/al7fs/>
Anchorage, Alaska
<mailto:al7fs@qsl.net>
ICQ 11022915

Date: Sat, 2 Oct 1999 21:37:57 -0400
From: wa4dou@juno.com
To: qrp-l@lehigh.edu
Subject: [52052] Trapped radials for 20/15/10 meter vertical
Message-ID: <19991002.213804.-821381.0.wa4dou@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

Hi Gang,

First one out there who has a 1/4 wavelength vertical up in the air for 20-15-10 meters, and who wants 4 radial wires with homemade traps(from RG-174) wound on pvc pipe and "encapsulated with "tooldip" and is willing to pay the shipping charges, can have them. I no longer have the Cushcraft vertical that they were under. Lightning took the vertical out a few months back. The radials survived nicely! Ha!

I would guess that \$6-\$7 bucks ought to be about right.

73 Roy WA4DOU Elm City ,N.C.

Date: Sat, 02 Oct 1999 18:41:34 -0700
From: Dave Fifield <fifield@pacbell.net>
To: lewise@inetport.com, Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [52053] Re: Updated Modified MRX40/TT2 Schematic
Message-ID: <006401bf0d40\$6d131b60\$0100a8c0@pacbell.net>
MIME-version: 1.0
Content-type: text/plain; charset="iso-8859-1"
Content-transfer-encoding: 7bit

Larry, it was R24 (1.5K) in the GND side of the TX TUNE pot.

72, Dave Fifield, AD6A

From: KA5T Larry Wise <lewise@inetport.com>

> Which resistor was left out??? I can't see the difference in the two files???
>
> Larry KA5T

Date: Sat, 02 Oct 1999 21:53:11 -0400
From: osier <osier@northnet.org>
To: qrp-l@lehigh.EDU
Subject: [52054] FS: Auttek QF-1A Filter
Message-ID: <37F6B707.E1CE83A@northnet.org>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hello All !!!!!

Have a Auttek QF-1A CW/SSB filter for sale ...need to sell to get a antenna up before the snow flies here excellent condition \$

70 and I will ship.

73/72s

George Osier , N2JNZ/QRP

Date: Sat, 02 Oct 1999 21:47:21 -0400
From: Bob Edwards <w4ed@gis.net>
To: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [52055] run for KUDZU'99
Message-ID: <37F6B5A9.5CCCFB60@gis.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Thanks to Pickett/AD4S, Mike/K04WX, Jim/W4Q0 and the rest at North Georgia QRP group for a great field event. Who ever picked today, has a validated verified certifiable crystal ball,, cause it was simply gorgeous. It was the first annual NoGAQRP "run for the Kudzu" event held on the NW shores of Lake Lanier.

The event was tailored after the NorCal run for your life, or, run to the fields, or, run from the fault, or run to...i forget. And in a similar spirit, was geared for fun.

My story is short, sorta, with a lesson learned, and involves a first aide kit. I loaded a good sized backpack with K2, battery, water, gear, etc, and a first aide kit (for the heck of it). Went over the check list at home. Drove to the site, met some other QRPers on the way in. Did I already say the scenery was great & wx was perfect ?

Once there, we started with show & tell, had lunch, then launched into the operating event. Of course, I had some show & tell goodies; K2 #21, a 250 ma solar cell, some single and a double paddle TFR key. Had to get into the backpack for some of it.

Operating time was set for 2 to 3 PM local. We distributed ourselves around the spacious lakeside site, and proceeded to set up for action. Did I already say how pretty it was ? I set up on a small north-west facing point. An occasional spotted bass would break the surface a few yards out. The lake is down, we're on a rain shortfall here, but still a very pretty landscape.

In my case, all was going well. Had the K2, battery, TFR key, captains chair, lap/bench working surface, all ready to go. Had the 20 foot fishing pole vertical mast stuck on its spike. Then I started to look for my wwwhaaarrrrr.

Couldn't find any wire. It was in with pencils, paper and writing pad.
Couldn't find them either. Not good. Five minutes to go and no wwghaaaarrrr.
Panic time.

Well, Chuck - new to QRP and a very nice guy, set up South of me by 100 yards or so. I hoped, I even prayed, he had some extra wire and a pencil.
Ready to beg or bargain, I went back to Chuck for help. And help he was, TKS.
With both a pencil and some wire I hurried back to my station.

Here's where the first aide kit came in. I had told myself I could only beg/bargain certain items from Chuck. Otherwise, I would not be able to live with myself until next rf KUDZU. I had begged for wire and one pencil.
So when I got back to my rig, I started to search for something to write on. Stuff in my wallet was kinda small. Ah-hah, the first aide kit. Tore into it, because the minutes were counting down to zero. Nothing obvious. No spare stray paper, but then, there it was, the manual. Sure enough the last two pages were blank. And the stiffness of the manual was good enough as a backpad for writing.

Two minutes late, ZM-1 was tuned and K2 was calling CQ on 14.060. Heard Doc/K0EVZ and hoped for a quick QSO. But no go. Tuned around 20m, heard/felt a couple fellow NoGaQRPs blasting the front end off. But no joy on 20m. Went up to 15m and things started to happen. Several CA QSOs. Then went to 10m, and had some more QSOs. Had some quick CA contacts and some short QSOs with MO, NY, ONT ops. Ran into Dave/NF0R and Jim/VA3JEG for nice QSOs too.

Lesson learned: I'll run a check list *just* prior to the event next time. At home was not enough. The wire, pencils, paper were in a pouch, in the trunk, waiting for me to return.... they had been displaced from the pack and were somewhat hidden when I pulled out the show & tell stuff.

ps, I did win the certificate for most CW contacts, and its already on my wall. TKS AGN to NOGAQRP, can't wait till next rf KUDZU :)

```
--
      /\
     /\ \
    /  |K2\
   /   |21 \
  _/_ _|____\
 \-==*==--/]
~~~~~
```

Bob 72/73
email, w4ed@amsat.org
<http://www.qsl.net/w4ed>
near Atlanta, GA EM73wt

Date: Sat, 02 Oct 1999 21:56:58 -0400
From: osier <osier@northnet.org>
To: qrp-1@lehigh.EDU

Subject: [52056] Many thanks !!!
Message-ID: <37F6B7EA.95ACB0DC@northnet.org>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hello Gang !!!

Many thanks for all the positive responses and info on the 49'ers
..haven't made up my mind on what to build yet but I have lots of info
now also thanks for help on the logbook problem this group is
always ready to help !!!!!

73/72s

George , N2JNZ/QRP

Date: Sat, 02 Oct 1999 22:20:54 -0400
From: Pete Burbank <plburbank@kih.net>
To: <qrp-1@Lehigh.EDU>
Subject: [52057] Re: JPS ANC-4
Message-ID: <3.0.32.19991002222047.00730898@kih.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

At 06:09 PM 10/2/99 -0600, you wrote:

>Well, I don't have a JPS ANC-4 but I do have a MFJ 1026
>noise canceller to try and get my 30 over S9 powerline noise
>down to a usable level. I have recently found that it too
>doesn't like to work very well below the 70 milliwatt level,
>and refuses to even try to work at the 50 milliwatt level.
>Makes it a bit more difficult to do the QRPpp stuff, but
>I guess it adds to the challenge. Suggestions for a solution
>are welcome.

>73

>Ray

>--

>

>"Politicians are like nappies. Both should be
>changed regularly -- and for the same reason"
>"Scotsman - Scotsman's Diary 12/97"

>-----

>Ray Colbert, W5XE, OOTC 3618, SOWP 1064M NCT2
>(also w5xe@juno.com El Paso, (FAR WEST) TEXAS

Ray, the most simple way I can think of would be to run enough power to activate the T-R circuits of the QRN canceller and then dump some of that power on the way out to get back down to the desired QRP level. eg a step attenuator that is the right input impedance that can handle the power.

73 Pete NV4V

Date: Sat, 2 Oct 1999 19:23:41 -0700
From: william h ross <k6mgo@juno.com>
To: qrp-l@Lehigh.EDU
Subject: [52058] Fw: Re: Touch Sensitive Key(ER)
Message-ID: <19991002.192342.-92139.5.k6mgo@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

Thanks to everyone who answered me. For anyone who is interested and or didn't know, like me, 4K7 means 4.7K to us in US

73/72

Bill, K6MGO

william h ross wrote:

>

> In C3YCC's QRP Web Site, he show a schematic for a touch sensitive keyer

> using CA3140.

> There is a resistor in the ckt. Marked "4K7". Is this supposed to be a

> 47K or a 4.7K resistor?

> Anyone know?

Date: Sat, 2 Oct 1999 22:26:41 -0400
From: wa4dou@juno.com
To: qrp-l@lehigh.edu
Subject: [52059] Trapped radials for 20-15-10
Message-ID: <19991002.222645.-821381.7.wa4dou@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

They're gone guys! 73 Roy WA4DOU

Date: Sat, 02 Oct 1999 22:35:38 -0400
From: David Hinerman <dlh1009@ritvax.isc.rit.edu>
To: qrp-1 <qrp-1@lehigh.edu>
Subject: [52060] Re: OT: A personal accomplishment
Message-ID: <37F6C0FA.E54A47B5@rit.edu>
MIME-version: 1.0
Content-type: text/plain; charset=us-ascii
Content-transfer-encoding: 7BIT

> lenny wintfeld wrote:
> Well guess what? I passed that one too! (With no margin at all - you need a
> > 74% to pass & I got a 75). I'm really happy that they were so persistent.

> > Well she was happy for me but she doesn't really understand what it means.

Lenny,

Well done! It feels great, doesn't it? Get cracking on that code - I had passed the Extra written too, but didn't get going on the code. Now my exam credit has expired and I'm still at Advanced (ten years later).

As for the S.O. Not understanding, that's all too common. I attended a seminar for engineers a while back, and they asked four "survey" questions:

For you as an engineer:

- 1) What is the best part of dealing with non-engineers?
- 2) What is the worst part of dealing with non-engineers?
- 3) What is the best part of dealing with other engineers?
- 4) What is the worst part of dealing with other engineers?

The majority answers (from a nation-wide survey, all from over 90% of respondents):

- 1) When a non-engineer recognizes us for having solved a problem.
- 2) Non-engineers just don't understand what we go through. (Sound familiar?)
- 3) Other engineers DO understand what we go through. (Also familiar?)
- 4) Other engineers are SO egotistical.

I think, for the most part, one can replace "engineer" with "ham" and the results are still accurate.

Dave

--

Dave Hinerman WD8CIV
Ontario, NY Grid FN13if
dlh1009@rit.edu

Date: Sat, 2 Oct 1999 22:55:40 EDT
From: WB9MII@aol.com
To: qrp-1@lehigh.edu
Subject: [52061] New Indoor Loop/1000 Mi per Watt QSO
Message-ID: <c32d080.25281fac@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

Howdy fellers,
It never stops. Took down the end fed Zepp....Put a single turn loop around the outside facing wall. Fed it with the cheapo TV twinlead to the Johnson Matchbox. On 20 CW just a few minutes ago I had a solid QSO with K6III , I was running my Century 21 at 750 Mw per my qrp wattmeter. Distance of 1,746 miles or so.

I am purely amazed.
Take care 72
Greg WB9MII
QRP ARCI 9719

Date: Sat, 02 Oct 1999 23:42:28 -0400
From: Pete Burbank <plburbank@kih.net>
To: <qrp-1@Lehigh.EDU>
Subject: [52062] Parts ID-sarcasm-don't read
Message-ID: <3.0.32.19991002234224.006fbd18@kih.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Gang,
Let us invent a new parts ID system where every part is an identical brown blob. No numbers are visible with other than UV lighting and high magnification. All part numbers are written backwards and upside down in a nognilk (Klingon spelled backwards) language and the ink will fade to obscurity in a few months. That way a mfgr could create a board with nothing scroungabable! All parts would have to go to the scrap heap and contribute to global warming. That would stimulate the economy because nothing could be used more than once.

finally it! The radiator is a different version of the loaded ribbon cable radiator used by the (SLX). It can be configured as a monobander or tuned remotely from 10-20M. It's just 11' tall and breaks down into a 13-3/4" x 3" dia. package. The fiberglass support is free-standing on a special earth mount. Like the (SLPV), the (SLQ) sits over six full-length (SLR)'s. This is nice antenna to go to afield with the DSW-20 or NC-20/RHR-20. Briefcase portable comes to mind when I look at this one.

ST. LOUIS POCKET VERTICAL(SLPV): This is a joint project done with my good friend Andy Becker, W0NVN. The antenna features a guyed lightweight fiberglass support that breaks down into a 20" x 3" dia. package. It slips right into a standard 22" rolling airline carry on bag. The design features a special St. Louis Coil(SLC) positioned at eye-level. The (SLC) is a drop-dead tapped homebrew air-wound coil covering 10-40M. I did a standard test series on this antenna earlier in the year. Tonight I started a another "100 contacts @ one watt" run which will cover all the design bands. The last of five prototypes (and the ten page article) is going to NA5N, KI6DS and K5QLF (ex-W5QJM) for their independent evaluation. If the SLPV has warts Paul, Doug and Fred will tell us in no uncertain terms. That's why I asked them to do this.

ST. LOUIS SHAFT(SLS): Not an antenna but an antenna support. It uses an upgraded tube set and guying system from the (RWV). An SD-20 collapsible pole sockets on top. The tip is at 52'. One person can put up this assembly safely at home or in portable locations. The (SLS) accepts the (SLX) and (SLQ) verticals in several configurations and either the half or a full-size version of the (SLD). Also, the new NorCal Doublet from KI6DS which is currently under test. You'll be able to homebrew this "tower" for about \$125!

Anyway, here is my testing standard proposal and a little more info about what is coming out of St. Louis. Hoping to work you during the SLPV test series.

Regards,

de Dave, NF0R nf0r@slacc.com

Date: Sun, 03 Oct 1999 04:43:59 GMT
From: "Richard Arland" <r_arland@hotmail.com>
To: dpayton@fwi.com, qrp-1@Lehigh.EDU
Subject: [52064] Re: Y2K - Taking Advantage
Message-ID: <19991003044359.50066.qmail@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

>From: "Dennis Payton" <dpayton@fwi.com>

>If you're always having to work at coming up with excuses to convince the
>wife why you need this or that toy, don't forget about Y2K. I "had" to buy
>two solar panels this year "just in case", then I had to buy the "official"
>Y2K emergency radio..... the K2.

Works for me....how do you think I got the 5KW generator down stairs and my
pre-ban AR-15? Don't 'cha just LOVE Y2K?!?!?!?

73 Rich K7SZ

Get Your Private, Free Email at <http://www.hotmail.com>

Date: Sun, 03 Oct 1999 01:27:54 -0400
From: Pete Burbank <plburbank@kih.net>
To: <qrp-1@Lehigh.EDU>
Subject: [52065] Arrgh!! labeling
Message-ID: <3.0.32.19991003012751.0072b800@kih.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Sorry, Sam Falvo informs me 4k7 is 4700 ohms.
Gosh!!!That makes a lot of sense...
Good Grief!!
Anybody got any ideas about how to make parts lettering more

cryptic???
0123456789us goingnuts
73 Pete N4V4

Date: Sat, 02 Oct 1999 22:43:50 -0700
From: Eric Swartz WA6HHQ - Elecraft <erics@elecraft.com>
To: QRP-L <qrp-l@lehigh.edu>
Cc: EleCraft mail list <elecraft@qth.net>
Subject: [52066] K2 SSB x2 at NorCal Meeting Sunday
Message-ID: <37F6ED16.1187779B@elecraft.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Wayne and I will be at the NorCal QRP meeting Sunday with our K2s. They will have their SSB, 160M and NB modules installed. In addition to working DX across the room we plan to hook one up to an external antenna for some 'real' contacts.

CU there!

72, Eric WA6HHQ

<http://www.elecraft.com>

Date: Sun, 3 Oct 1999 09:02:05 +0100
From: "John Fletcher" <johnf@innotts.co.uk>
To: <k6mgo@juno.com>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [52067] Re: 4k7 or 4.7k
Message-ID: <199910030800.JAA27999@carlton.innotts.co.uk>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

Hi all,

Every time you photocopy a document its quality is reduced. Sometimes little black dots appear on the copy. Make a copy of a copy of a copy and the situation gets worse. Now, if a black dot appears in just the wrong place it can make 47k look like 4.7k. OK, the spacing may look wrong but can you be sure it's not 4.7k? If you use the multiplier (k) as the decimal place marker,

there's no chance that a stray dot will alter the value. That's why we use 4k7.

Incidentally, am I the only person who uses the millifarad? It's not logical to say 2200 microfarad when we can say 2.2 millifarad. Of course, this would be written 2m2F.

Best regards,

John G4EDX

> From: william h ross <k6mgo@juno.com>
> To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
> Subject: Fw: Re: Touch Sensitive Key(ER)
> Date: 03 October 1999 03:23
>
> Thanks to everyone who answered me. For anyone who is interested and or
> didn't know, like me, 4K7 means 4.7K to us in US
> 73/72
> Bill, K6MGO
>
>
>
> william h ross wrote:
> >
> > In C3YCC's QRP Web Site, he show a schematic for a touch sensitive
> keyer
> > using CA3140.
> > There is a resistor in the ckt. Marked "4K7". Is this supposed to be a
> > 47K or a 4.7K resistor?
> > Anyone know?
>

Date: Sun, 03 Oct 1999 19:50:33 +1000
From: "Ian C. Purdie VK2TIP" <ianpurdie@integritynet.com.au>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [52068] Re: 4k7 or 4.7k
Message-ID: <37F726E9.D2443E57@integritynet.com.au>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

IMHO there is no excuse to use other than 4K7. The old system invites trouble. With R47, 4R7, 47R, 470R, 4K7, 47K, 470K or 4M7 there can be no

doubt. Only cave dwellers resist the change.

73's

Ian Purdie

VK2TIP "I'll give you the TIP mate"

QRP-L member #1978.

URL - <http://www.integritynet.com.au/~purdic/>

URL - <http://www.qsl.net/vk2tip/>

Date: Sun, 03 Oct 1999 10:06:03 -0400

From: Bill Meara <n2cqr@erols.com>

To: qrp-l@Lehigh.EDU

Subject: [52069] Beacon test results - N2CQR

Message-ID: <199910031007.GAA14062@smtp3.erols.com>

Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"

I had my little ten meter beacon on the air yesterday (2 Oct) from 1635 UTC until about 2315. QTH: Falls Church Va, just outside Washington, DC.
Thanks to all who listened for me.

The transmitter is a version of Doug DeMaw's "Lil' Slugger" (it appears in "W1FB's QRP notebook" and "W1FB's Design Notebook" In the latter it is referred to as a 1 watt CW transmitter for 10 and 15 meters." I used an MRF472 from Dan's as the final. I built it using the isolation pad technique (aka the Manhattan method). I measure about 750 milliwatts out on mine. The oscillator runs continuously and the driver stage is keyed. I should have alerted folks to the possibility of hearing just the oscillator on key up.

The CW was generated on my old 486 PC using a modified version of Dr. Ralph Taggart's (WB8DQT) Morse program. Ralph was kind enough to re-write the code to allow for a beacon mode. I built a little transistor switch that allowed the keyed voltage from the RS232 port to key the transmitter. I eventually want to put a little keyer chip with a beacon feature into the rig (so I won't have to tie up the computer!)

Sorry about the chirp (whoop really). I'll have to work on that. I think my power supply could use a bit more regulation.

The antenna was a dipole hastily thrown up into the trees. Feed point was about 20 feet up. Antenna ran SW to NE with the SW leg parallel to the ground and the NE portion going up at about a 35 degree angle from the horizontal. I plan on putting up a vertical dipole for the beacon.

I got six reports. It was a lot of fun to leave the beacon running and periodically see the QSLs arriving from distant and interesting places. Here is a summary:

Alan, KB7MBI, sent the first report, 449 30 miles east of Seattle at 1645 UTC.

Al, KA6FBB heard me in the high desert of Southern California at 1708 UTC, 439.

Rick, KB7MPG, picked up the beacon signal in the Yellowstone valley of Montana at 1730 UTC. Report was 229/c

Bill, WJ50, heard the beacon before seeing my QRP-L announcement. His report was 559 in South Texas. He measured the frequency as 28.2408 Mhz.

James, KK6MC/5 heard me at 2111 in Cedar Crest NM, 7000 feet above sea level. RST 52.

Finally, Steve, N0TU in Monument, Colorado, monitored the beacon for some time and submitted the following reports: 2210 UTC - 529, 2230 UTC 569 (peak), 2300 UTC 539.

Steve noted the "whoop" in the signal.

I'll work on the transmitter and antenna and let the list members know when I put it on the air again. Thanks again to all who helped.

73 de N2CQR

Bill Meara, Falls Church, Virginia

n2cqr@erols.com

<http://www.erols.com/wmeara>

Date: Sun, 3 Oct 1999 11:50:07 +0100
From: "Colin" <gw3wsu@gw8nnc.screaming.net>
To: "Low Power Amateur Radio QRP Discussion" <qrp-l@Lehigh.EDU>
Subject: [52070] Beacons (10Metres) N2CQR
Message-ID: <000f01bf0d8d\$12f59f20\$e5e731d4@default>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi all. I listened for Bill's Beacon on 28.240, but only heard AB8Z/B in Parma. I don't know where that is, or what power he was running. I will listen around that frequency again this evening! 72/73 de Colin GW3WSU

G-QRP # 4641

FISTS # 4815

QRP-L # 2021
gw3wsu@gw8nnc.screaming.net

Date: Sun, 3 Oct 1999 12:40:40 +0100
From: "Ted Williams" <tedw@btinternet.com>
To: "QRP-L" <qrp-l@lehigh.edu>
Subject: [52071] Signal Generator
Message-ID: <002c01bf0d94\$4272bd80\$45108cd4@btinternet>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I've seen a thread which talks about the design of a signal generator.
Before embarking on such a project it is vital to say what it is for.

For receiver calibration, the normal use for a signal generator, it is
necessary to have a signal free of close-in spurious signals, so a
synthesised signal, in my view, is not suitable.
A free-running oscillator is probably the best bet, where the harmonics are
naturally well out of the receiver passband.

If harmonics are a problem, an octave filter is an easy thing to design.

On the other hand, an accurate signal level followed by an accurate
attenuator is an absolute MUST for this application.

There's my ECU worth (As used in the European community)

Regards, Ted, G0ULL

Date: Sat, 2 Oct 1999 11:37:31 -0400
From: "Jean Jibouleau" <jiboulj@globetrotter.net>
To: <paule@sfu.ca>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [52072] Re: Solar Panel Controller
Message-ID: <000001bf0d97\$b4d453e0\$5290a98e@n8w8k5>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 8bit

Hello all of you,

Here is another source for solar controller. I am building it myself. It is almost finish. We will see...

73 de Jean (VE2GHI)

-----Message d'origine-----

De : Paul Erickson <paule@sfu.ca>

: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>

Date : 2 octobre, 1999 09:17

Objet : Re: Solar Panel Controller

>Hi Ward,

>

>Check out the SunLight Energy systems website. I have one of

>Mike's "Micro M Plus" controllers, and it works great.

>

>cheers, Paul VE7CQK/email: paule@sfu.ca

>>

>> Hi,

>>

>> I now have two Electric Goldmine panels. Yes, they work very well. I am

>> now looking for a solar controller. Does anyone have any suggestions

about

>> controllers?

>>

>> Thanks in advance,

>>

>> Ward Hill, N1IE

>> Engineer KOVR-TV

>> www.kovr13.com

>>

>>

>

>

Date: Sun, 03 Oct 1999 08:16:40 -0400

From: Pete Burbank <plburbank@kih.net>

To: <qrp-l@Lehigh.EDU>

Subject: [52073] Re: 4k7 or 4.7k

Message-ID: <3.0.32.19991003081636.0072c140@kih.net>

Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"

To this discussion I can only submit a MYM. That is a Micro Mega Yawn abbreviated and re-arranged for clarity.

73 Pete NV4V

Date: Sun, 03 Oct 1999 08:34:42 EDT
From: charles k brown <n4so@juno.com>
To: qrp-l@lehigh.edu
Subject: [52074] Tube Kit transmitters
Message-ID: <19991003.122914.2375.21.n4so@juno.com>

ARTP721466@aol.com

Your aol.com address received fatal errors- Not able to get through to
AOL artp721466@aol.com message returned--
Tube Kits. E-mail Carl for info --

Vintage Radio Kit Co.
427 North Main St.
Sharon, MA. 02067
781-784-0847

E-mail CPCW5@aol.com

Advertises in vintage radio magazine,
Electric Radio, 14653 County Road G,
Cortez, CO 81321-9575, p. 53

WWW address:

<http://www.mnsinc.com/bry/vintage.htm>
nnnn

Ken Brown N4SO
Mobile, AL/EM50tk
NorCal-20/5 watts/4 ele. beam

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Date: Sun, 03 Oct 1999 07:42:51 -0500
From: "Ed Manuel (N5EM)" <n5em@flash.net>
To: qrp-l@lehigh.edu
Subject: [52075] Fusing Ground Leads

Message-ID: <4.1.19991003073747.00959280@pop.flash.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Howdy from Texas.

Question came up yesterday that I couldn't answer to my satisfaction.

Should one fuse both the positive AND negative leads of a radio? Most of us don't with homebrew gear but many manufacturers of gear do.

If that negative fuse should fail, the radio would probably keep right on working, especially in a mobile environment since the antenna lead would carry the negative side of the current. This does not sound like a good idea.

So, IF the negative lead should be fused, why?

Thanks.

Ed Manuel, N5EM
HQRP Club

Date: Sun, 03 Oct 1999 07:44:50 -0500
From: "Ed Manuel (N5EM)" <n5em@flash.net>
To: qrp-l@lehigh.edu
Subject: [52076] WTB: Drake 2BQ
Message-ID: <4.1.19991003074259.00a26e00@pop.flash.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Picked up a Drake 2B at a sidewalk sale yesterday in a moment of nostalgia induced weakness.

Now I'd like to find a Drake 2BQ to go with it. Please respond directly.

Thanks

Ed Manuel, N5EM

Date: Sun, 3 Oct 1999 08:57:55 -0400
From: "Robert Roach" <ke4qok@worldnet.att.net>
To: <ianpurdie@integritynet.com.au>

Cc: "QRP-L" <qrp-l@lehigh.edu>
Subject: [52077] Re: 4k7 or 4.7k<GGGG>
Message-ID: <001d01bf0d9e\$ea814f00\$9b414d0c@ke4qok>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I'm confused!!!! I thought ham radio operators were cave dwellers. That's what everyone keeps telling me.

Bob
KE4QOK

----- Original Message -----

> IMHO there is no excuse to use other than 4K7. The old system invites
> trouble. With R47, 4R7, 47R, 470R, 4K7, 47K, 470K or 4M7 there can be no
> doubt. Only cave dwellers resist the change.
>
> 73's
>
> Ian Purdie
> VK2TIP "I'll give you the TIP mate"
> QRP-L member #1978.
> URL - <http://www.integritynet.com.au/~purdic/>
> URL - <http://www.qsl.net/vk2tip/>
>
>

Date: Sun, 3 Oct 1999 09:00:25 -0400
From: "John J. McDonough" <jjmcd@tm.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [52078] Re: Arrgh!! labeling
Message-ID: <003401bf0d9f\$46707700\$010044c0@conor-mac-nessa>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

-----Original Message-----

From: Pete Burbank <plburbank@kih.net>

>Anybody got any ideas about how to make parts lettering more

>cryptic???

Hey - it's not as bad as capacitors. If you're looking at a cap that says 220 how are you supposed to know whether it's 22pf or 220pf? Should be 22×10^0 , but it never is - just because! And of course, half of them have the Gettysburg Address written on a cap the size of a pinhead. You better have a microscope. And you better know what the standard values are, or you'll never figure out whether the 181 or the 303 is the value.

72/73 de WB8RCR <http://www.qsl.net/wb8rcr/>
didileydadidah QRP-L #1446 Code Warriors #35

Date: Sun, 3 Oct 1999 09:05:42 EDT
From: ARDUJENSKI@aol.com
To: qrp-l@lehigh.edu
Subject: [52079] INDEX LAB COMPANION
Message-ID: <6a98e38a.2528aea6@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

I would like to hear from those that have the COMPANION for the QRP PLUS in regards to performance and possible purchase. Thanks Alan KB7MBI

Date: Sun, 3 Oct 1999 09:16:12 EDT
From: PDouglas12@aol.com
To: w5usj@globeco.net, qrp-l@lehigh.edu
Subject: [52080] JPS ANC-4 factory suggested QRP mods
Message-ID: <e40a31b4.2528b11c@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

Gang and especially folks using the ANC-4 noise canceler,

I noticed some inquiries about using this device with QRP levels. I find it switches well at 5 watts or so, as is. I am not a milliliter, and I enjoy working QRP at the 4 to 5 watt level, so I haven't had to do these mods--though I do certainly have some rigs that don't rise to this level of output. My noise problem has abated here somewhat, so I don't often need the ANC-4--but when it is bad, I can't operate without it. It is a great way to

kill off local noise without desensing or pulsing my receiver with noise blankers.

I have two direct replies from an engineer at JPS regarding sensitivity which I received back in Dec '96. It took a while to find these notes. I quote from the emails I printed and saved with my documentation. The first one is the way to direct-switch the ANC-4, using your T/R keyline from your rig--

"First set the Decay jumper to 'FAST'. Then connect a 1N4004 diode anode (arrow head) to the top (closest to the rear) of R29 and take the cathode (bar) through a wire externally to your keyline. That's all there is to it."

I haven't tried this, but this is a factory suggested mod.

Next, to increase sensitivity of the ANC-4 to QRP levels, the factory suggested:

"In the pad located close to the two S0239 connectors, locate R18 and R31 (both 3k). Change both of these to 10k, and your problem should be solved."

I didn't do this mod either, though I may eventually. I do not know how much power you need to key the ANC-4 with this mod, so I can't tell you if it will switch at milliwatt levels. These come from Tom Jacks, PE K4ICJ, an engineer from JPS itself. I hope this helps.

Preston Douglas WJ2V

Date: Sun, 3 Oct 1999 09:27:31 EDT
From: ARDUJENSKI@aol.com
To: qrp-1@lehigh.edu
Subject: [52081] C.M.HOWES KITS
Message-ID: <4ac4800e.2528b3c3@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

Surfing I found some interesting QRP KITS by C.M.HOWES CO.:
<http://www.howes-comms.demon.co.uk/Cat-html/Catindex.htm>
First I had heard of them, but hey, there is a lot that is new to me in ham radio.

Alan KB7MBI

Date: Sun, 3 Oct 1999 08:24:40 -0500

From: "Nick Kennedy" <nkennedy@cswnet.com>
To: <n5em@flash.net>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [52082] Re: Fusing Ground Leads
Message-ID: <002801bf0da2\$b7dadcd20\$847054d8@big>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi Ed--

This is becoming a popular question, maybe cause we're seeing those double fused commercial rigs and asking why. I laughed when I saw that my new Kenwood 2 meter rig had a fuse in both leads.

The explanation runs like this. Since this is (or may be) a high current installation, you run both leads directly to the battery. Now, if the strap from the battery's negative lead fails, its path to the frame is through your negative lead and rig. A high current demand (typically starting current) will have to take that path and will possibly start a fire.

Apparently loss of the battery-to-ground strap isn't that uncommon.

And I guess if you're not running your power leads directly to the battery, you don't have to fuse both of them.

72,

Nick, WA5BDU

-----Original Message-----

From: Ed Manuel (N5EM) <n5em@flash.net>

>Howdy from Texas.

>

>Question came up yesterday that I couldn't answer to my satisfaction.

>

>Should one fuse both the positive AND negative leads of a radio? Most of us don't with homebrew gear but many manufacturers of gear do.

>

Date: Sun, 03 Oct 1999 08:53:44 -0500

From: "Chuck Carpenter" <w5usj@globeco.net>
To: PDouglas12@aol.com, qrp-1@lehigh.edu
Subject: [52083] Re: JPS ANC-4 factory suggested QRP mods
Message-ID: <3.0.2.32.19991003085344.007e02a0@bosshog.globeco.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Hi Preston et al,

Thanks for the additional information on mods to the ANC-4. I too recently received info from one of the hams at JPS and mine was in hard copy form. It included the diode suggestion and some other ideas with a marked-up copy of the RF sensing part of the circuit. The changes to R18 and R31 were not included in the info I received.

I was looking for some other ideas from some of the technical folks that frequent this list.

George, W5YR, suggested a semiconductor switch to control the switching relay. I don't like the idea of the diode going to the key line. In the case of my keyers, I don't think it would work with the output keying semiconductor. You would have to switch the ANC-4 relay current through the keyer. It might work with a straight key that is actually grounded during keying.

When the gang gets back to work on Monday, we may get some other ideas.

Chuck Carpenter, EM22cv, Point, Rains County, Texas

Date: Sun, 3 Oct 1999 10:03:53 -0400
From: "Alex" <aturner13@mindspring.com>
To: <qrp-1@lehigh.edu>
Subject: [52084] T-R switch
Message-ID: <008b01bf0da8\$21a6a760\$682b8ad1@pentiumii>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="Windows-1252"
Content-Transfer-Encoding: 7bit

I would like to use my ICOM R71A with some QRP transmitters, would I be safe in just putting a pair of back to back diodes across the antenna for say 5 watts and less or should I go more elaborate and add some form of antenna grounding?

tnx
Alex,N4BYJ

Date: Sun, 03 Oct 1999 10:15:25 EDT
From: charles k brown <n4so@juno.com>
To: qrp-1@lehigh.edu
Subject: [52085] C. M. Howes Communications Kits
Message-ID: <19991003.141335.9959.1.n4so@juno.com>

C. M. Howes Communications
Eydon, Daventry
Northants, NN11 6PT
United Kingdom

Tel: +44-327-60178

Receivers, transmitters, morse code practice oscillator.
All kits are engineered by G4KQH, a former BBC engineer.
Source: ARRL TIS Find// this has not been updated

cmhowes.txt

Ken Brown N4SO
Mobile, AL/EM50tk
NorCal-20/5 watts/4 ele. beam

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Date: Sun, 03 Oct 1999 09:36:24 -0500
From: Lee Bahr <bahr521@earthlink.net>
To: johnf@innotts.co.uk
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [52086] Re: 4k7 or 4.7k
Message-ID: <37F769E8.6DB3583F@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

This kind of thinking recently made the MARS Probe fail! This all began

when our British friends gave up Stone weight and went over to
Avoirdupois! They should have stood their ground and never given an
INCH (3.26 mm)! (Anyone have the FLAT EARTH SOCIETY web page URL? I
want to join)! :-)
Lee Bahr w0vt Houston, Texas

John Fletcher wrote:

>
> Hi all,
>
> Every time you photocopy a document its quality is reduced. Sometimes
> little
> black dots appear on the copy. Make a copy of a copy of a copy and the
> situation gets worse. Now, if a black dot appears in just the wrong place
> it
> can make 47k look like 4.7k. OK, the spacing may look wrong but can you
> be sure it's not 4.7k? If you use the multiplier (k) as the decimal place
> marker,
> there's no chance that a stray dot will alter the value. That's why we use
> 4k7.
>
> Incidentally, am I the only person who uses the millifarad? It's not
> logical to say
> 2200 microfarad when we can say 2.2 millifarad. Of course, this would be
> written 2m2F.
>
> Best regards,
>
> John G4EDX
>
> -----
> > From: william h ross <k6mgo@juno.com>
> > To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
> > Subject: Fw: Re: Touch Sensitive Key(ER)
> > Date: 03 October 1999 03:23
> >
> > Thanks to everyone who answered me. For anyone who is interested and or
> > didn't know, like me, 4K7 means 4.7K to us in US
> > 73/72
> > Bill, K6MGO
> >
> >
> >
> > william h ross wrote:
> > >
> > > In C3YCC's QRP Web Site, he show a schematic for a touch sensitive
> > keyer
> > > using CA3140.

> > > There is a resistor in the ckt. Marked "4K7". Is this supposed to be a
> > > 47K or a 4.7K resistor?
> > > Anyone know?
> >

Date: Sun, 03 Oct 1999 10:50:07 EDT
From: charles k brown <n4so@juno.com>
To: qrp-l@lehigh.edu
Subject: [52087] PIN-diode TR Switch
Message-ID: <19991003.144815.4375.5.n4so@juno.com>

Separate receiver's require a PIN Diode TR Switch

Rod Kreuter, WA3ENK, "The QUICK", QST June 1999, pp 43-47
Rod Keeuter, WA3ENK, "Beyond the QUICK", Sept. 1999, 42-45
Rod's E-mail: rak10@psu.edu

Kirk Kleinschmidt, NT0Z, "A PIN-Diode TR Switch, " The ARRL
Handbook for the Radio Amateur, 1989, pp 34-6 to 34-9. Other
editions have similar PIN diode TR switch circuits repeated from
earlier editions. The Handbook published a basic PIN-diode TR
switch circuit in the years from 1980 to 1990. Look in the Index
for TR switch.

trswit.txt

nnnn

Ken Brown N4SO
Mobile, AL/EM50tk
NorCal-20/5 watts/4 ele. beam

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Date: Sun, 03 Oct 1999 10:49:38 -0400
From: "The One and Only!" <mitch96@pobox.com>
To: qrp-l <qrp-l@Lehigh.EDU>
Subject: [52088] Up grading and "spare" radios.

Message-ID: <37F76D02.D327A35A@pobox.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

In the AM when I am in that twilight between sleep and awake, I sometimes do some thinking/dreaming. I was thinking about Len and his upgrade (im backwards, got the 20 wpm need the written), and thinking about getting spare rigs to needy hams.

WHAT IF..... we have a raffle or donation or 1/2 price sale or "what ever" of spare kit radios to anyone/ young'n who upgrades their license? Kill two pterodactyls with one projectile!! Incentive to upgrade, and unload ur rig to a good cause. It doesn't have to be formal. Some club could act as a clearing house, verify upgrade, notify the builder and....

W00000SSSSSSSHHHHHHHHHHHH a rig goes to where it will have a new home..
what 'ya think???

--
73, mitch ww4ml
lost in the ethers again..

Date: Sun, 03 Oct 1999 09:53:24 -0500
From: K10J <k10j@ditdit.com>
To: QRP-L Discussion <qrp-l@Lehigh.EDU>, NARS <nars@onelist.com>
Subject: [52089] Cal QSO Party
Message-ID: <005d01bf0daf\$0b425e40\$3cb83ed8@swbell.net>
MIME-version: 1.0
Content-type: text/plain; charset="iso-8859-1"
Content-transfer-encoding: 7bit

Howdy All...

My youngest harmonic and I got up yesterday at o'dark thirty and ventured off to a ham fest at Belton, Tx. Found some goodies there to add to the QRP station. When we returned, it was definitely 'lazy boy time'. A little later I realized the California QSO Party was in full swing. I turned down the power to 5 watts and started my search and pounce routine. I ran into several QRP 6s CQing and holding their own. It was a lot of fun and before I knew it, I had over 100 contacts. I'm not sure what time it ends today, but jump in and have some fun!

OJ---K10J
dit dit
..

Date: Sun, 3 Oct 1999 07:55:05 -0700
From: "Radman" <radman@best.com>
To: <bahr521@earthlink.net>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [52090] Re: 4k7 or 4.7k
Message-ID: <199910031454.HAA21914@proxy2.ba.best.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

Lee,

Help is on the way! Surf over to URL:
<http://www.flat-earth.org/>
Check out the "Discordian Calendar" on that site.

The lads have divided the Calendar year into five seasons,
each of 73 days. The seasons are named Chaos, Discord,
Confusion, Bureaucracy and The Aftermath.

See! Things are looking a bit brighter now, eh ;) ??

72,

Conrad - NN6CW

From: Lee Bahr <bahr521@earthlink.net>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: Re: 4k7 or 4.7k
Date: Sunday, October 03, 1999 7:36 AM

This kind of thinking recently made the MARS Probe fail!
This all began
when our British friends gave up Stone weight and went
over to
Avoirdupois! They should have stood their ground and
never given an
INCH (3.26 mm)! (Anyone have the FLAT EARTH SOCIETY web
page URL? I
want to join)! :-)
Lee Bahr w0vt Houston, Texas

Date: Sun, 03 Oct 1999 10:53:51 -0400
From: mikemo@attglobal.net
To: qrp1 <qrp-1@lehigh.edu>
Subject: [52091] MRX schematic
Message-ID: <37F76DFF.FEEF8F93@attglobal.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I was looking at the schematic this morning (Thanks Dave) and had a question. Both tune pots are fed with an unregulated voltage source. Won't small changes in supply voltage cause frequency drift? Am I missing something? Is it due to the small tuning range of the controls? Thanks and 72
Mike Maiorana, KU4QO

Date: Sun, 3 Oct 1999 10:19:26 -0500
From: "Mike =?ISO-8859-1?Q?N=D8WDM"?= <michaelbstjames@email.msn.com>
To: <WB9MII@aol.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [52092] Re: New Indoor Loop/1000 Mi per Watt QSO
Message-ID: <003c01bf0db2\$aafb3d000\$3a3a0b3f@default>

I think of an old elmer quote, "RF's gotta go somewhere." Ain't antennas fun? Mike in Minnesota

-----Original Message-----
From: WB9MII@aol.com <WB9MII@aol.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Date: Saturday, October 02, 1999 9:56 PM
Subject: New Indoor Loop/1000 Mi per Watt QSO

>Howdy fellers,
>It never stops. Took down the end fed Zepp....Put a single turn loop around
>the outside facing wall. Fed it with the cheapo TV twinlead to the Johnson
>Matchbox. On 20 CW just a few minutes ago I had a solid QSO with K6III , I
>was running my Century 21 at 750 Mw per my qrp wattmeter. Distance of
1,746
>miles or so.
> I am purely amazed.
>Take care 72
>Greg WB9MII

>QRP ARCI 9719

Date: Sun, 3 Oct 1999 11:45:45 -0400
From: John R Kirby <n3aaz-qrp@juno.com>
To: qrp-1@Lehigh.EDU
Subject: [52093] PSK31- V1.08
Message-ID: <19991003.114740.-29971.1.n3aaz-qrp@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

PSK31 is a true weak signal (QRP) mode.

V 1.08 is out,
>><http://www.kender.es/~edu/psk31.html><<

Remember receiver bandwidth is NO PROBLEM,
the software establishes that, (aprox. 31 Hertz).

John
N3AAZ
FM19xa

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Date: Sun, 3 Oct 1999 11:37:16 -0400
From: John R Kirby <n3aaz-qrp@juno.com>
To: w2bvh@home.com, qrp-1@Lehigh.EDU
Subject: [52094] CONGRATULATIONS Lenny, W2BVH
Message-ID: <19991003.114740.-29971.0.n3aaz-qrp@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

From: lenny wintfeld <w2bvh@home.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Date: Sat, 02 Oct 1999 19:52:59 -0400
Subject: OT: A personal accomplishment

C O N G R A T U L A T I O N S ! ! !

Welcome Back

72, 73

John

N3AAZ

FM19xa

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Date: Sun, 03 Oct 1999 08:59:41 +0000
From: Roger Hightower <n7kt@earthlink.net>
To: bahr521@earthlink.net
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [52095] Re: 4k7 or 4.7k
Message-ID: <37F71AFD.3E2EB4F5@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hmmmm..I was always taught that an inch was 25.4mm. Makes for easy
mental conversion: 100mm is abt 4", 10" is 254mm, etc.

Lee Bahr wrote:

> They should have stood their ground and never given an
> INCH (3.26 mm)!

--

73, de Roger, N7KT
qrp-1 #62, NorCal #1099, Zombie #006
Mesa, AZ 85202

Date: Sun, 03 Oct 1999 18:08:30 +0200
From: "Robert M. Ganter" <hb9dnn@gmx.net>
To: qrp-1@Lehigh.EDU
Subject: [52096] Re: 4k7 or 4.7k
Message-ID: <199910031608.SAA09487@scts98.ens.ascom.ch>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: quoted-printable

On Sun, 03 Oct 1999 09:36:24 -0500, you wrote:

> This kind of thinking recently made the MARS Probe fail!

Pretty bad additude to blame somebody else for Your own mistakes. Or has NASA been sold to the Brits?

> This all began
> when our British friends gave up Stone weight and went over to
> Avoirdupois! They should have stood their ground and never given an
> INCH (3.26 mm)!

Oh yes, of course. Strange kind of an inch You seem to use, John. In the rest of the world one inch is 25.4mm. This is the difference between stone age^h^h^hweight and metric. We know how to convert to imperial and back... ;-)

> (Anyone have the FLAT EARTH SOCIETY web page URL? I
> want to join)! :-)

Oh, yes. Let's meet the Flintstones... :-)

Ehm, btw, to keep it some kind of ontopic: wasn't the system using the multiplier instead of a dot introduced by the military (i.e. DOD)?

72

Robert
--=20

Robert M. Ganter HB9DNN

Date: Sat, 02 Oct 1999 01:42:13 -0600
From: "William R. Colbert" <af852@rgfn.epcc.edu>
To: artp721466@aol.com, qrp-1@lehigh.edu
Subject: [52097] Re: QRP tube transceiver or xmtr
Message-ID: <37F5B755.EDA69C0C@rgfn.epcc.edu>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Art, if you don't have this site, try it for the info on cakepan receivers, transmitters, etc.

<http://www.monumental.com/bry/vintage.htm>
<http://www.qsl.net/kd6cc/lowbug/> for a 40 meter glowbug rig

hope this helps.\

73 Ray

--

"Politicians are like nappies. Both should be changed regularly -- and for the same reason"

"Scotsman - Scotsman's Diary 12/97"

Ray Colbert, W5XE, 00TC 3618, SOWP 1064M NCT2
(also w5xe@juno.com El Paso, (FAR WEST) TEXAS

Date: Sun, 03 Oct 1999 12:54:54 -0400

From: semann@tcia.net (Steven Mann)

To: nkennedy@cswnet.com

Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>

Subject: [52098] Re: Fusing Ground Leads

Message-ID: <37F78A5E.CF335221@tcia.net>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

I think it is the engine ground which returns the starter current (which can be very high during cranking) to chassis that occasionally fails or is not reconnected by a mechanic during servicing. This was mentioned on the CAR TALK program on public radio.

If there is some kind of failure of the ground lead, your ham radio can become the ground return (through its connection to the battery) for hundred of amps that flow while cranking the car. This can occur when the mounting of the radio is connected to the chassis and providing a lower resistance return to the battery than other connections.

This is a real (potential) problem and therefore commercial manufacturers are providing fuses in both power leads of radio connections.

Steve, N4EY

Nick Kennedy wrote:

>

> Hi Ed--

>

> This is becoming a popular question, maybe cause we're seeing those double
> fused commercial rigs and asking why. I laughed when I saw that my new
> Kenwood 2 meter rig had a fuse in both leads.
>
> The explanation runs like this. Since this is (or may be) a high current
> installation, you run both leads directly to the battery. Now, if the strap
> from the battery's negative lead fails, its path to the frame is through
> your negative lead and rig. A high current demand (typically starting
> current) will have to take that path and will possibly start a fire.
>
> Apparently loss of the battery-to-ground strap isn't that uncommon.
>
> And I guess if you're not running your power leads directly to the battery,
> you don't have to fuse both of them.
>
> 72,
>
> Nick, WA5BDU
>
> -----Original Message-----
> From: Ed Manuel (N5EM) <n5em@flash.net>
>
> >Howdy from Texas.
> >
> >Question came up yesterday that I couldn't answer to my satisfaction.
> >
> >Should one fuse both the positive AND negative leads of a radio? Most of
> >us don't with homebrew gear but many manufacturers of gear do.
> >

Date: Sun, 03 Oct 1999 13:14:55 -0400
From: Russ Hines <radioruss@fuse.net>
To: k6mgo@juno.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [52099] Re: Touch Sensitive Key(ER)
Message-ID: <37F78F0F.DA52E9CD@fuse.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi Bill:

william h ross wrote:

>
> In C3YCC's QRP Web Site, he show a schematic for a touch sensitive keyer
> using CA3140.

> There is a resistor in the ckt. Marked "4K7". Is this supposed to be a
> 47K or a 4.7K resistor?
> Anyone know?
> Thanks in advance and 73
> Bill, K6MGO

That's a 4700 or 4.7K ohm resistor. I believe it's the CCIR way of designating the value. The designator is in the spot the decimal should be. A 47K resistor would be 47K. ;-)

73,
Russ
WB8ZCC

Date: Sun, 03 Oct 1999 13:20:00 EDT
From: w4pj@w4bkk.ampr.org
To: qrp-l@lehigh.edu
Subject: [52100] Gooch's Theorem [Was Re:New Loop Antenna...]
Message-ID: <94972@w4bkk.ampr.org>

I believe that was Gooch's Theorem: RF gotta go somewhere.
BTW Who the heck is Gooch?
de (Scott) W4PJ

Date: Sun, 3 Oct 1999 13:28:33 EDT
From: GElam30092@aol.com
To: n7kt@earthlink.net, qrp-l@lehigh.edu
Subject: [52101] Re: 4k7 or 4.7k
Message-ID: <75df3fd8.2528ec41@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

In a message dated 10/3/99 9:01:02 AM US Mountain Standard Time,
n7kt@earthlink.net writes:

<< Hmmm..I was always taught that an inch was 25.4mm. Makes for easy
mental conversion: 100mm is abt 4", 10" is 254mm, etc. >>

Easy to convert? Ask the rocket scientists as NASA. :-)

Like my old EE professor used to tell us, "Y'all better go to work for a big
company if you graduate.... you'll break a small one."

Cheers,
Gerry
PHX AZ

Date: Sun, 3 Oct 1999 16:33:53 -0400
From: wa8rxi@juno.com
To: k6mgo@juno.com
Cc: qrp-1@LeHigh.EDU
Subject: [52102] Re: Touch Sensitive Key(ER)
Message-ID: <19991003.174356.-163757.4.wa8rxi@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

Bill,
That would be a 4.7K Ohm resistor.
We have, in the telephone industry, been using this method of component marking for years.
Most of the "stuff" built by Western Electric and Lucent is marked as such.
Some of the other ways that they mark resistors would be:
47R = 47 Ohms.....4R7 = 4.7 Ohms..... R47 = .47 Ohms
47M = 47 MegOhms.....4M7 = 4.7MegOhms.....
I guess they started this because of the "I can't see the dot" syndrome.

73, Rick - WA8RXI

=====

On Sat, 2 Oct 1999 17:20:04 -0700 william h ross <k6mgo@juno.com> writes:
> In C3YCC's QRP Web Site, he show a schematic for a touch sensitive
> keyer using CA3140.
> There is a resistor in the ckt. Marked "4K7". Is this supposed to be
> a 47K or a 4.7K resistor?
> Anyone know?
> Thanks in advance and 73
> Bill, K6MGO

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Date: Sun, 3 Oct 1999 15:30:04 -0400
From: wa8rxi@juno.com

To: WB9MII@aol.com
Cc: qrp-1@Lehigh.EDU
Subject: [52103] Re: New End Fez Zepp results
Message-ID: <19991003.174356.-163757.2.wa8rxi@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

On Fri, 1 Oct 1999 23:06:27 EDT WB9MII@aol.com writes:

> Howdy folks,
> It never stops. Got a bug in my ear to try out an end fed Zepp and see
if it
> does any better than the center fed version I've had up for a couple of

> weeks. put an end fed Zepp together, bent it around the corners in the

> room.....it works like a champ on 80 40 and 20. at first glance it
seems to
> work better than the center fed Zepp I had up. Operating over the
weekend

=====

I've always wondered, Is a Center Fed Zepp considered a dipole or a
doublet ?? :-}

73, Rick - WA8RXI

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Date: Sun, 3 Oct 1999 16:40:57 -0400
From: wa8rxi@juno.com
To: osier@northnet.org
Cc: qrp-1@Lehigh.EDU
Subject: [52104] Re: Norcal log books.....???
Message-ID: <19991003.174356.-163757.5.wa8rxi@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

George,
How about a Steno pad. It's small enuff and is two sided.
A pencil and ruler and you can lay it out any way you like.
Just a thought...

73, Rick - WA8RXI (soon to have Vanity call)

=====

On Sat, 02 Oct 1999 17:32:59 -0400 osier <osier@northnet.org> writes:

> Hello All !!!

>

> Just wondering if NORCAL still has the QRP LOGBOOK available????

> Contest season coming up ..will fill up QUICK !!!!!

>

> 73/72s

>

> George Osier , N2JNZ/QRP

>

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Date: Sun, 3 Oct 1999 17:13:01 -0400

From: wa8rxi@juno.com

To: plburbank@kih.net

Cc: qrp-1@Lehigh.EDU

Subject: [52105] Re: 4k7 or 4.7k

Message-ID: <19991003.174356.-163757.7.wa8rxi@juno.com>

MIME-Version: 1.0

Content-Type: text/plain

Content-Transfer-Encoding: 7bit

Hi Pete,

But..... Some people have only just begun to understand the reasoning behind this.

You have, apparently, been through this thread a number of times.

But, trying to spot a dot (period) on a component, especially with my old tired eyes, is

getting more difficult with the passing of time.

I would have NO problem with anyone promoting the elimination of . versus R on component

designations.

Now, in my sentence above, which is more readable the . or the

R.....M.....K.....

72 & Have fun

Rick - WA8RXI

=====

On Sun, 03 Oct 1999 08:16:40 -0400 Pete Burbank <plburbank@kih.net>
writes:
> To this discussion I can only submit a MYM. That is a Micro Mega Yawn
> abbreviated and re-arranged for clarity.
> 73 Pete NV4V

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Date: Sun, 3 Oct 1999 17:25:39 -0400
From: wa8rxi@juno.com
To: n5em@flash.net
Cc: qrp-l@Lehigh.EDU
Subject: [52106] Re: WTB: Drake 2BQ
Message-ID: <19991003.174356.-163757.8.wa8rxi@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

Hi Ed,
Brings back days gone by here also.
Had a 2B with a 2BQ back in the 70's myself.
I used it with an Heath SB-101 when handling traffic.
The SB-101 did NOT have QSK, so with circuit from QST, I believe.
I built the circuit using 2 back-to-back diodes and #47 lamp.
I had the #47 lamp mounted in a grommet so I could "see" the RF :-}
Great setup especially with the 2B and it's triple conversion.

I would love to "find" a used 2B & 2BQ. It would be a great RCVR for
building up a Homebrew transmitter with.
And of course, I could rebuild my QSK setup!

73, Rick - WA8RXI
=====

On Sun, 03 Oct 1999 07:44:50 -0500 "Ed Manuel (N5EM)" <n5em@flash.net>
writes:
> Picked up a Drake 2B at a sidewalk sale yesterday in a moment of
> nostalgia
> induced weakness.
>
> Now I'd like to find a Drake 2BQ to go with it. Please respond
> directly.
>

> Thanks
>
> Ed Manuel, N5EM
>

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Date: Sun, 03 Oct 1999 14:28:51 -0400
From: Ken Edwards <ken.edwards@oit.gatech.edu>
To: qrp-1@Lehigh.EDU
Subject: [52107] WTT:QRP Rigs for PC
Message-ID: <199910031828.0AA03634@oit.gatech.edu>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Trade : 3 rigs - OHR Explorer and Explorer II (40M/20M) plus S&S Tac-1
(40M), factory-built w/keyer.
Wanted: Computer (CPU only), minimum Pentium P5-75, 16M RAM, small HD,
video card, 3.5" floppy, CD-ROM (any speed).
Please respond via email with any interest.
Tnx...
--Ken

Date: Sun, 3 Oct 1999 14:56:51 EDT
From: W8IRQ@aol.com
To: qrp-1@lehigh.edu
Subject: [52108] (no subject)
Message-ID: <b54e8bf3.252900f3@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

Test. do not read.w8irq@aol.com

Date: Sun, 3 Oct 1999 15:31:39 -0400
From: "Mike Yetsko" <myetsko@insydesw.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [52109] Re: Fusing Ground Leads

Message-ID: <009c01bf0dd5\$eb7260c0\$e082fea9@dads-hp>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

This has been discussed many times before, but everyone keeps going back to the ground strap failing.

It doesn't have to fail. All that has to happen is it develops more resistance than normal. Then the HUNDREDS or even close to a THOUSAND AMPS that are drawn while starting a vehicle can find the strangest ground paths. If they find one through the antenna wire to your rig and back to the battery, you can have a damaged rig real quick.

I can PERSONALLY introduce you to someone who saw a throttle linkage glowing from this failure, who just happened to mention to me after all the discussion before on this when people said "That won't happen!". And I know of others who have had dash boards burn that apparantly have been blamed on it.

Just ask yourself, if it didn't happen, would manufactures put on a second fuse for fun? But yes, if you DON'T connect the ground to the battery, then it doesn't do much, but it doesn't hurt either. However, in my one car, I ground to the chassis (right where the manufacturer SUGGEST grounding the high current many hundred watt add-on Infinity amp) and run the hot lead direct. I figure if that ground is good enough for a 4-digit sound system to keep 'quiet' and operate correctly, it should be good enough for a communication rig at 50W.

Mike Yetzko
N1DVJ

>Hi Ed--

>

>This is becoming a popular question, maybe cause we're seeing those double
>fused commercial rigs and asking why. I laughed when I saw that my new
>Kenwood 2 meter rig had a fuse in both leads.

>

>The explanation runs like this. Since this is (or may be) a high current
>installation, you run both leads directly to the battery. Now, if the
strap
>from the battery's negative lead fails, its path to the frame is through
>your negative lead and rig. A high current demand (typically starting

>current) will have to take that path and will possibly start a fire.
>
>Apparently loss of the battery-to-ground strap isn't that uncommon.
>
>And I guess if you're not running your power leads directly to the battery,
>you don't have to fuse both of them.
>
>72,
>
>Nick, WA5BDU
>
>-----Original Message-----
>From: Ed Manuel (N5EM) <n5em@flash.net>
>
>
>
>>Howdy from Texas.
>>
>>Question came up yesterday that I couldn't answer to my satisfaction.
>>
>>Should one fuse both the positive AND negative leads of a radio? Most of
>>us don't with homebrew gear but many manufacturers of gear do.
>>
>
>
>

Date: Sun, 03 Oct 1999 15:43:48 EDT
From: n5ib@juno.com
To: qrp-l@Lehigh.edu
Subject: [52110] OT - S-100 ram board
Message-ID: <19991003.143301.4679.0.N5IB@juno.com>

Shack cleaning uncovered a 64K ram card for the S-100 bus. 32 each of 2K chips, socketed. When I first installed this in my IMSAI I thought I was in memory heaven. What would anyone ever want with more than 64K?

So, any computer nostalgia out there? This card is yours for the postage. Otherwise..... (insert roll of muffled drums)

73
Jim N5IB

Get the Internet just the way you want it.

Free software, free e-mail, and free Internet access for a month!
Try Juno Web: <http://dl.www.juno.com/dynoget/tagj>.

Date: Sun, 3 Oct 1999 13:22:44 -0700
From: "John Moriarity" <k6qq@hdo.net>
To: <plburbank@kih.net>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [52111] Re: Arrgh!! labeling
Message-ID: <002a01bf0ddd\$10d21480\$1e424cd1@k6qq>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

> Sorry, Sam Falvo informs me 4k7 is 4700 ohms.
> Gosh!!!That makes a lot of sense...

It sure does! Just think of the letter as the decimal
point as well as the multiplier. Periods have a way
of getting lost - the letter is more likely to survive.

I've been labelling my schematics that way since I first
saw it in Wireless World quite a few years ago.

72,

John, K6QQ

Alturas CA, at the corner of 299 & 395.

Date: Sun, 03 Oct 1999 16:34:44 +500
From: Terry Bendell <terryb@bmts.com>
To: <n5ib@juno.com>
Cc: <qrp-1@Lehigh.EDU>
Subject: [52112] Re: OT - S-100 ram board
Message-ID: <199910032033.QAA19664@Alice.BMTS.Com>
MIME-Version: 1.0

sure I will take it off your hands Jim,
I collect older junk er Stuff!!

Terry

On 1999-10-03 n5ib@juno.com said:

>Shack cleaning uncovered a 64K ram card for the S-100 bus. 32 each
>of 2K chips, socketed. When I first installed this in my IMSAI I
>thought I was in memory heaven. What would anyone ever want with
>more than 64K?
>So, any computer nostalgia out there? This card is yours for the
>postage. Otherwise..... (insert roll of muffled drums)
>73
>Jim N5IB
>-----
>Get the Internet just the way you want it.
>Free software, free e-mail, and free Internet access for a month!
>Try Juno Web: <http://dl.www.juno.com/dynoget/tagj>.

Net-Tamer V 1.11.2 - Test Drive

Date: Sun, 03 Oct 1999 22:49:15 +0200
From: Anita och Lars Olsson <anita.lars.olsson@telia.com>
To: qrp-1@Lehigh.EDU
Subject: [52113] Re: RFI: RTTY Stations on/near 7040
Message-ID: <37F7C14B.6FAE@telia.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Dear Alan,

You are quite right. RTTY/AMTOR/PACTOR/PSK stations should not be on the CW-ONLY part of the band. I also rather often hear "Digital-mode" stations there and I think the reason is that the number of computer hams using digital modes are increasing very fast and look for wider segments on the bands. This does not justify that they transmit on the CW-ONLY part.

Ask the ARRL to inform about this in the QST. I can not see any other things to do. I do not advise you to cause QRM but I can tell you that they are rather sensitive for CW-QRM. At least you can call them on CW and tell them that they are outside their segment.

73 de Lars / SM3AVQ

Date: Sun, 03 Oct 1999 22:49:26 +0200
From: Anita och Lars Olsson <anita.lars.olsson@telia.com>

To: qrp-1@Lehigh.EDU
Subject: [52114] Re: RFI: RTTY Stations on/near 7040
Message-ID: <37F7C156.5317@telia.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hello Rod,
In Region 1 RTTY has priority in the segment 7035 - 7045 kHz. I do not have the bandplan for your Region available. Perhaps it says the same? There is nothing said in the bandplan about QRP. If you work CW/QRP you should use a frequency in the CW-Only part of the band. If you work SSB/QRP you should use a frequency in the phone part of the band.
73 de Lars / SM3AVQ

Rod Cerkoney wrote:

>
> Folks:
>
> What is the deal with the RTTY stations on/near 7040? Are they in some > kinda "search and pounce" mode? Or do the operators just not hear us?
>

Date: Sun, 03 Oct 1999 16:52:33 -0400
From: lenny wintfeld <w2bvh@home.com>
To: qrp-1@lehigh.edu
Subject: [52115] OT: Many thanks (OT: A personal accomplishment) - long
Message-ID: <37F7C211.8757105F@home.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi!

Thanks to everyone on the list for your good wishes and encouragement! I almost never "toot my horn" but passing these tests somehow struck me as something worth celebrating.

I've saved just about all the replies to my post, to use as a resource. I hope to be on the air in a few weeks (maybe a month) and would love to contact those who offered QSOs and code practice. Many of the replies offered advice (quite varied) on which rigs are worth getting, along with URLs for sites offering the kits. Looks like I should take a some time and do research on them.

Just to fill you in on my near term plans: I have my last rig (Hallicrafters) from the '60's, and if the electrolytics in the power supplies don't blow up (or have not dried up), and if the phase shift caps have not changed value too severely, I will use it. (It's been passed around to family and friends over the years and has only been in dead storage for about 6-8 years so there's a good chance it will work). BTW even in the '60s rigs had drive level controls & could be run qrp.

I expect this rig to be a stopgap, even if it does work. It's simply too big for the space I have. A smaller, more modern set seems in order (that's what got me to the GSARA hamfest to begin with).

Lastly, the hardest part of getting an antenna up is done - meaning the part where I climb a 30' ladder that shakes like a wet noodle to put an eye-hook and pulley into the gable end of the house. I'm now in the middle of building the "non-tuner" portion of W6RCA's antenna design (see <http://people.delphi.com/cecilmoore/mystery.htm> for details).

So maybe in November you'll be hearing from me "live" on the air. We'll see how the old rig, the new antenna and the "old" op all work.

From there -- onward and upward. I hope.

Thanks again for your good wishes and advice,

Lenny, W2BVH

Date: Sun, 3 Oct 1999 17:13:33 -0400
From: "Jerry Henshaw" <jhenshaw@bellsouth.net>
To: "Elecrafft Reflector" <elecraft@qth.net>, "QRP-L Post" <qrp-l@Lehigh.EDU>
Subject: [52116] Free Toroid Design Software!!
Message-ID: <001f01bf0de4\$277755e0\$18d14dd8@jhenshaw.bellsouth.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi Gang,

I just ran across a very, very nice toroid design program. A demo version is available with limited inductor ranges.... but it has a ton of interactive features that makes it worth while just as it is. You can download the program from the following URL:

<http://members.aol.com/Toroids/jhonindx.htm>

This is the perfect companion to the new NORCAL inductor kits.

Enjoy,

Jerry Henshaw
KR5L

Date: Sun, 3 Oct 1999 17:15:49 -0400
From: "Jerry Henshaw" <jhenshaw@bellsouth.net>
To: "Jerry Henshaw" <jhenshaw@bellsouth.net>, "Elecraft Reflector" <elecraft@qth.net>, "QRP-L Post" <qrp-l@Lehigh.EDU>
Subject: [52117] Re: Free Toroid Design Software!! WRONG URL!!
Message-ID: <002a01bf0de4\$79e63da0\$18d14dd8@jhenshaw.bellsouth.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Sorry,

Here is the proper URL:

<http://members.aol.com/Toroids/johnindx.htm>

Sorry for the confusion.

Jerry
KR5L

-----Original Message-----

From: Jerry Henshaw <jhenshaw@bellsouth.net>
To: Elecraft Reflector <elecraft@qth.net>; QRP-L Post <qrp-l@Lehigh.EDU>
Date: Sunday, October 03, 1999 5:13 PM
Subject: Free Toroid Design Software!!

>Hi Gang,

>

>I just ran across a very, very nice toroid design
>program. A demo version is available with limited

>inductor ranges.... but it has a ton of interactive
>features that makes it worth while just as it is.
>You can download the program from the following
>URL:
>
> <http://members.aol.com/Toroids/jhonindx.htm>
>
>This is the perfect companion to the new NORCAL
>inductor kits.
>
>Enjoy,
>
>Jerry Henshaw
> KR5L
>
>

Date: Sun, 3 Oct 1999 13:31:42 -0800
From: Bruce Hopkins - KL7H <kl7h@arrl.net>
To: qrp-1@lehigh.edu
Subject: [52118] K7QO's E-Mail Address ???
Message-ID: <v03007800b41d7b4733d3@208.161.167.79>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Hi Gang...

Need to relay a message to Chuck and can not find his new E-mail
address... Could someone send it to me off list...

Take care and have fun...

72 / 73 / oo's - Bruce - KL7H
Fairbanks, Alaska

"Alaska QRP Club" - Web Site: <http://home.gci.net/~bhopkins/akqrp>
or: <http://www.qsl.net/kl7aqc>
- 10 Meter Beacon: 28.282.28+/- KL7AQC / BCN

Date: Mon, 04 Oct 1999 07:33:17 +1000
From: "Ian C. Purdie VK2TIP" <ianpurdie@integritynet.com.au>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [52119] Re: 4k7 or 4.7k
Message-ID: <37F7CB9D.3DAA89E3@integritynet.com.au>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

"Robert M. Ganter" wrote:

> On Sun, 03 Oct 1999 09:36:24 -0500, you wrote:
>
> > This kind of thinking recently made the MARS Probe fail!
>
> Pretty bad additude to blame somebody else for Your own mistakes. Or
> has NASA been sold to the Brits?
>

Only Australians blame the Brits (pommies)

> > (Anyone have the FLAT EARTH SOCIETY web page URL? I
> > want to join)! :-)
>
> Oh, yes. Let's meet the Flintstones... :-)

Boom! Boom!

73's

Ian Purdie
VK2TIP "I'll give you the TIP mate"
QRP-L member #1978.
URL - <http://www.integritynet.com.au/~purdic/>
URL - <http://www.qsl.net/vk2tip/>

Date: Sun, 3 Oct 1999 13:51:23 -0800
From: Bruce Hopkins - KL7H <kl7h@arrl.net>
To: qrp-l@lehigh.edu
Subject: [52120] K7QO Info - Thanks...
Message-ID: <v03007801b41d7fc742fa@[208.161.165.239]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Hi Gang...

As expected, I got a veritable plethora of replies to my query on Chucks address... Thanks to one and all for the help...

Take care and have fun...

72 / 73 / oo's - Bruce - KL7H
Fairbanks, Alaska

"Alaska QRP Club" - Web Site: <http://home.gci.net/~bhopkins/akqrp>
or: <http://www.qsl.net/kl7aqc>
- 10 Meter Beacon: 28.282.28+/- KL7AQC / BCN

Date: Mon, 04 Oct 1999 07:57:05 +1000
From: "Ian C. Purdie VK2TIP" <ianpurdie@integritynet.com.au>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [52121] Re: Free Toroid Design Software!! WRONG URL!!
Message-ID: <37F7D131.88B024D1@integritynet.com.au>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Gang,

On this topic Micrometals have FREE design software (beta version)
mm1999B.exe at:

<http://www.micrometals.com/software.html>

Haven't test driven it yet though!

BTW that was the fastest download I ever had.

73's

Ian Purdie
VK2TIP "I'll give you the TIP mate"
QRP-L member #1978.
URL - <http://www.integritynet.com.au/~purdic/>

URL - <http://www.qsl.net/vk2tip/>

Date: Sun, 3 Oct 1999 18:02:36 -0400
From: "The Hansons" <hansfam@midcoast.com>
To: <QRP-L@Lehigh.EDU>
Subject: [52122] Newbie SWR Question..
Message-ID: <000101bf0deb\$0170ab60\$c51599d0@hansfam>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Am about to take the plunge and buy first kit, but have tuning/SWR question. I want to be able to match my qrp rig to a non-resonant random wire on occasion. With an ant. tuner, and a qrp rig that has no convenient way to lower the output, how do I tune the ant. without blowing the output transistor?

Many guys seem to do this under field conditions, but how?

Thanks,
Steve KE1LG
hansfam@midcoast.com

Date: Sun, 3 Oct 1999 22:26:11 +0100
From: Larry Cahoon <wd3p@juno.com>
To: qrp-l@Lehigh.EDU
Subject: [52123] Fun mWatt Weekend
Message-ID: <19991003.222612.4310.0.wd3p@juno.com>

HI Gang,

I played in the CA QSP party working only those counties I needed there. So if they weren't in a county I needed I didn't spend the time on them. I ended up with 35 QSOs for 36 counties. Got 10 of the 17 I need QRP and 18 of the 41 I needed QRPp. Some of those guys really struggled and worked hard to pull out my 500 mWatt signal. Most of the QSOs were on 15 meters. 26 QSOs at 500 mWatts - from home that comes out to 4,000 + miles

per watt each. Best QSO was at 250 mWatts.

Then I picked up NG0T/M in ND this afternoon to add that to my list for the AR WAS QRPP contest. That brings the total this year to 48 states and 7.52 watts. My WAS QRPP total power now stands at 6.08 Watts. I still haven't gotten MT and WY this year.

73/72 de Larry.....WD3P in MD
WAS QRPP
WAS 1,000 Miles per Watt
<http://www.erols.com/lejek>

Get the Internet just the way you want it.
Free software, free e-mail, and free Internet access for a month!
Try Juno Web: <http://dl.www.juno.com/dynoget/tagj>.

Date: Sun, 03 Oct 1999 17:38:02 -0500
From: Michael <moreeth@ix.netcom.com>
To: qrp-1@Lehigh.EDU
Subject: [52124] CA QSO Party
Message-ID: <37F7DACA.6938@ix.netcom.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=iso-8859-1
Content-Transfer-Encoding: 8bit

Hello to the group.

I've enjoyed reading the mail for a couple of days and since it is a verbose group, I don't think another post will hurt.

I was thrilled 10 meters was open for the California QSO Party. I made a handful of SSB mobile contacts with a Cherokee AH-100 HT on low power and mag mount antenna on Saturday. When I got home I made another handful of SSB contacts with a HTX-100 at 5 watts into an Antron A-99 five feet off the ground.

It was clear that any CA station I could hear I could work with 5 watts, so I modified my CA QSO Party exchange to: You are number XX and I am QRP in Illinois. Of the 40 contacts I made Saturday and Sunday with this exchange 15 stations took the extra breath and time to give me some form of signal report during the contest.

Those stations were: W6TKV, N6XP, KF6HAM, N6RYO, KD6KHJ, W6PT, KR6RF, KE6ZSN, W6XB, K6HY, K6E, K6XV, N6GSI, KE6ZSN, and NZ6N.

I even picked up a 59 from the stray CT1BOH, but he may have thought that was part of my call.

Michael, N90GC
15 miles west of Wrigley Field

Date: Sun, 03 Oct 1999 18:48:31 -0400
From: David Hinerman <dlh1009@ritvax.isc.rit.edu>
To: qrp-l <qrp-l@lehigh.edu>
Subject: [52125] Re: Newbie SWR Question..
Message-ID: <37F7DD3F.DB1606A8@rit.edu>
MIME-version: 1.0
Content-type: text/plain; charset=us-ascii
Content-transfer-encoding: 7BIT

The Hansons wrote:

>
> Am about to take the plunge and buy first kit, but
> have tuning/SWR question. I want to be able to
> match my qrp rig to a non-resonant random wire on
> occasion. With an ant. tuner, and a qrp rig that has no
> convenient way to lower the output, how do I tune
> the ant. without blowing the output transistor?
>
> Many guys seem to do this under field conditions,
> but how?

Steve,

The short answer is to use the N7VE ScQRPions Visual SWR Indicator:

<http://www.extremezone.com/~ki7mn/n7veswr.htm>

What this amounts to is a resistive bridge in which the antenna + tuner is one leg of the bridge, and the rest of the legs are reasonably high-wattage carbon resistors. The transmitter power is applied to the "top" of the bridge, and an indicating circuit (meter + rectifier, or an LED in the case of the Visual circuit) is connected across the middle of the bridge.

The advantage of this kind of indicator is that even if the antenna is shorted or open, the maximum SWR that the transmitter itself sees is 2:1. (If the antenna is shorted, the bridge looks like a 25 ohm resistor. If open, the bridge looks like 75 ohms.) Most transmitters can tolerate that mismatch for reasonable periods of time.

The disadvantage of this kind of indicator is that it's mostly resistors, so you can't leave it inline all the time. But once your tuner is set correctly (indicated by a minimum on the bridge detector), you can remove it from the circuit safely.

There are other tuning indicators that use the bridge technique, but I can't recall exact vendors. I had one I built from a kit ten years ago. It might have been a Howes kit, but I'm not certain. It used a mechanical meter movement and about 20 watts' worth of resistors. The N7VE circuit is dead simple, though.

Dave

--

Dave Hinerman WD8CIV
Ontario, NY Grid FN13if
dlh1009@rit.edu

Date: Sun, 3 Oct 1999 19:00:54 -0400
From: "Perley Urquhart" <n1yuk@nemaine.com>
To: "QRP-L" <qrp-l@lehigh.edu>
Subject: [52126] Thanks
Message-ID: <023301bf0df3\$266795c0\$687561ce@urquhart>
MIME-Version: 1.0
Content-Type: text/plain;
charset="windows-1257"
Content-Transfer-Encoding: 7bit

To Brian, KF2HC, sorry I lost your email address. Thanks for sending the information on the QRP tube rigs. Maybe this winter!! Send your address again. Perley, N1YUK

End of QRP-L Digest 1597
